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On rank 2 and rank 3 residually connected geometries for M_{22}

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Abstract. We determine all rank 2 and rank 3 residually connected flag transitive geometries for the Mathieu group M_{22} for which object stabilizer are maximal subgroups.

Keywords: Residually connected flag transitive geometries, Mathieu group

MSC 2000 classification: 51Exx

Introduction

In this paper we shall describe all rank 2 and rank 3 residually connected flag transitive geometries for the Mathieu group M_{22} whose object stabilizers are maximal subgroups. We begin by reviewing geometries and some standard notation. A geometry is a triple $(\Gamma, I, \star)$ where Γ is a set, I an index set and $\star$ a symmetric incidence relation on Γ which satisfy

(i) $\Gamma = \dot{\bigcup\limits_{i \in I}} \Gamma_i$; and

(ii) if $x \in \Gamma_i$, $y \in \Gamma_j (i, j \in I)$ and $x \star y$, then $i \neq j$.

The elements of Γ_i are called objects of type i, and $|I|$ is the rank of the geometry Γ (as is usual we use Γ is place of the triple $(\Gamma, I, \star)$). A flag F of Γ is a subset of Γ which, for all $x, y \in F$, $x \neq y$, $x \star y$. The rank of F is $|F|$, the corank of F is $|I \backslash F|$ and the type of F is $\{i \in I | F \cap \Gamma_i \neq \emptyset\}$. All geometries we consider are assumed to contain at least one flag of rank $|I|$. The automorphism group of Γ, $Aut\Gamma$, consists of all permutations of Γ which preserve the sets Γ_i and the incidence relation $\star$. Let G be a subgroup of $Aut\Gamma$. We call Γ a flag transitive geometry for G if for any two flags F_1 and F_2 of Γ having the same type, there exists $g \in G$ such that ${F_1}^g = F_2$. For $\Delta \subseteq \Gamma$, the residue of Δ, denoted Γ_Δ, is defined to be $\{x \in \Gamma | x \star y \text{ for all } y \in \Delta\}$. A geometry Γ is called residually connected if for all flags F of Γ of corank 2 the incidence graph of

Γ_F is connected. Now suppose that Γ is a flag transitive geometry for the group G. As is well-known we may view Γ in terms of certain cosets of G. This is the approach we shall follow here. For each $i \in I$ choose an $x_i \in \Gamma_i$ and set $G_i = Stab_G(x_i)$. Let $\mathcal{F}$=$\{G_i : i \in I\}$. We now define a geometry $\Gamma(G, \mathcal{F})$ where the objects of type i in $\Gamma(G, \mathcal{F})$ are the right cosets of G_i in G and for $G_i x$ and $G_j y$ $(x, y \in G, i, j \in I)$ $G_i x \star G_j y$ whenever $G_i x \cap G_j y \neq \emptyset$. Also by letting G act upon $\Gamma(G, \mathcal{F})$ by right multiplication we see that $\Gamma(G, \mathcal{F})$ is a flag transitive geometry for G. Moreover Γ and $\Gamma(G, \mathcal{F})$ are isomorphic geometries for G. So we shall be studying geometries of the form $\Gamma(G, \mathcal{F})$, where $G \cong M_{22}$ and G_i is a maximal subgroup of G for all $i \in I$. A numerical summary of our results is given in

1 Theorem. *Suppose $G \cong M_{22}$ and Γ is a residually connected flag transitive geometry for G with $Stab_G(x)$ a maximal subgroup of G for all $x \in \Gamma$.*

(i) If Γ has rank 2, then, up to conjugacy in AutG, there are 86 possibilities for Γ.

(ii) If Γ has rank 3, then, up to conjugacy in AutG, there are 1239 possibilities for Γ.

In Section 2 and 3 we give explicit descriptions of these geometries making heavy use of the degree 22 permutation representation for M_{22}. The descriptions given readily allow further investigation of these geometries.For the verification of these lists and more details we refer the reader to [6].

Beukenhout, in [1], sought to give a wider view of geometries so as to encompass configurations observed in the finite sporadic simple groups. An outgrowth of this has been attemps to catalogue various subcollections of geometries for the finite sporadic simple groups (and other related groups). So - called minimal parabolic geometries and maximal 2-local geometries were investigated in [13] and [14] while geometries satisfying certain additional conditions for a number of (relatively) small order simple groups have been exhaustively examined. See, for example, [2], [5], [7], [8], [9], [10], [11], [12], [15]; the results in most of these papers were obtained using various computer algebra systems. The lists here, by contrast, has been obtained by "hand".

For the remainder of this paper G will denote M_{22}, the Mathieu Group of degree 22. Also Ω will denote a 24 element set possessing the Steiner system $S(24, 8, 5)$ as described by Curtis's MOG [4]. We will follow the notation of [4].

So

$$\Omega = \begin{array}{|c|c|c|} \hline O_1 & O_2 & O_3 \\ \hline \end{array} = \begin{array}{|cc|cc|cc|} \hline \infty & 14 & 17 & 11 & 22 & 19 \\ 0 & 8 & 4 & 13 & 1 & 9 \\ 3 & 20 & 16 & 7 & 12 & 5 \\ 15 & 18 & 10 & 2 & 21 & 6 \\ \hline \end{array},$$

where O_1, O_2 and O_3 are the heavy bricks of the MOG. For our later concrete descriptions we shall identify G with $Stab_{M_{24}}\{\infty\} \cap Stab_{M_{24}}\{14\}$. Here M_{24} is the Mathieu group of degree 24 which leaves invariant the Steiner system $S(24, 8, 5)$ on Ω. Set $\Lambda = \Omega \backslash \{\infty, 14\}$. We shall discuss certain (well-known) combinatorial objects associated with Ω and Λ. An octad of Ω is just an 8-element block of the Steiner system and a subset of Ω is called a dodecad if it is the symmetric difference of two octads of Ω which intersect in a set of size two. The following sets will appear frequently when we describe geometries for G.

(i) $\mathcal{H}$=$\{X \subseteq \Lambda | X \cup \{\infty, 14\}$ is an octad of $\Omega\}$ (hexads of Λ).

(ii) $\mathcal{H}_{\rm p}$=$\{X \subseteq \Lambda | X \cup \{14\}$ is an octad of $\Omega\}$ (heptads of Λ).

(iii) $\mathcal{H}_{\rm p_\infty}$=$\{X \subseteq \Lambda | X \cup \{\infty\}$ is an octad of $\Omega\}$ (heptads of Λ).

(iv) $\mathcal{O}$=$\{X \subseteq \Lambda | X$ is an octad of $\Omega\}$ (octads of Λ).

(v) $\mathcal{D}$=$\{X \subseteq \Lambda || X| = 2\}$ (duads of Λ).

(vi) $\mathcal{D}_{\rm o}$=$\{X \subseteq \Lambda | X$ is a dodecad of $\Omega\}$ (dodecads of Λ).

(vii) $\mathcal{E}$=$\{X \subseteq \Lambda |$ one of $X \cup \{\infty\}$ and $X \cup \{14\}$ is a dodecad of $\Omega\}$ (endecads of Λ).

From the [3], the conjugacy classes of the maximal subgroups of G are as follows:

Order	*Index*	M_i	*Description*
20160	22	$M_1 \cong L_3(4)$	$M_1 = Stab_G\{a\}$, $a \in \Lambda$
5760	77	$M_2 \cong 2^4 : A_6$	$M_2 = Stab_G\{X\}$, $X \in \mathcal{H}$
2520	176	$M_3 \cong A_7$	$M_3 = Stab_G\{X\}$, $X \in \mathcal{H}_{\rm p}$
2520	176	$M_4 \cong A_7$	$M_4 = Stab_G\{X\}$, $X \in \mathcal{H}_{\rm p_\infty}$
1344	330	$M_5 \cong 2^3 : L_3(2)$	$M_5 = Stab_G\{X\}$, $X \in \mathcal{O}$
1920	231	$M_6 \cong 2^4 : S_5$	$M_6 = Stab_G\{X\}$, $X \in \mathcal{D}$
720	616	$M_7 \cong M_{10}$	$M_7 = Stab_G\{X\}$, $X \in \mathcal{D}_{\rm o}$
660	672	$M_8 \cong L_2(11)$	$M_8 = Stab_G\{X\}$, $X \in \mathcal{E}$

For $i \in \{1, ..., 8\}$, we let $\mathfrak{M}_{\rm i}$ denote the conjugacy class of M_i, M_i as given in the previous table. We also set $\mathfrak{M}$=$\bigcup_{i=1}^{8} \mathfrak{M}_{\rm i}$; so $\mathfrak{M}$ consist of all maximal subgroups of G. Also put $\mathfrak{X}$= $\Lambda \cup \mathcal{H} \cup \mathcal{H}_{\rm p} \cup \mathcal{H}_{\rm p\infty} \cup \mathcal{O} \cup \mathcal{D} \cup \mathcal{D}_{\rm o} \cup \mathcal{E}$. For $X, Y \in \mathfrak{X}$ we have that $X = Y$ if and only if $Stab_G\{X\} = Stab_G\{Y\}$ except in the case when $X, Y \in \mathcal{E}$. In this latter case when $Y = \Lambda \backslash X$ we have $Stab_G\{X\} = Stab_G\{Y\} (\cong L_2(11))$. In order to have a $(1-1)$ correspondence between subgroups in $\mathfrak{M}$ and appropriate sets of Λ in $\mathfrak{X}$, for endecads we shall always choose $X \in \mathcal{E}$ so as $X \cup \{\infty\}$ is a dodecad of Ω.

Suppose G_1 and G_2 are maximal subgroups of G with $G_1 \neq G_2$. Set $G_{12} = G_1 \cap G_2$. We use $\mathfrak{M}_{\rm ij}(t)$ to describe $\{G_1, G_2, G_1 \cap G_2\}$ according to the following scheme: $G_1 \in \mathfrak{M}_{\rm i}$, $G_2 \in \mathfrak{M}_{\rm j}$ (and so $G_1 = Stab_G(X_1)$ and $G_2 = Stab_G(X_2)$ for some appropriate subsets X_1 and X_2 of Λ in $\mathfrak{X}$) with $|X_1 \cap X_2| = t$. When listing up the rank 2 geometries of G in Theorem 2 the notation $\mathfrak{M}_{\rm ij}(t)$ frequently suffices to describe the geometries up to conjugacy in $AutG$. To distinguish those geometries where this is not the case we shall write $\mathfrak{M}_{\rm ij}(t_l)$ with $l \in \{1,2\}$; see after Theorem 2 for the details of these cases. Now suppose we have three distinct maximal subgroup of G, G_1, G_2 and G_3. We shall use G_{12}, G_{13}, G_{23} and G_{123} to denote, respectively $G_1 \cap G_2$, $G_1 \cap G_3$, $G_2 \cap G_3$ and $G_1 \cap G_2 \cap G_3$. We extend the above notation using $\mathfrak{M}_{\rm ijk}(t_{ij}, t_{ik}, t_{jk})$ to indicate that $G_1 \in \mathfrak{M}_{\rm i}$, $G_2 \in \mathfrak{M}_{\rm j}$, $G_3 \in \mathfrak{M}_{\rm k}$ with $|X_i \cap X_j| = t_{ij}$, $|X_i \cap X_k| = t_{ik}$ and $|X_j \cap X_k| = t_{jk}$. (Here $G_1 = Stab_G(X_i)$, $G_2 = Stab_G(X_j)$ and $G_3 = Stab_G(X_k)$ for suitable subsets X_i, X_j and X_k of Λ in $\mathfrak{X}$.) Again we run into the possibilty that in some instances, we need to further subdivide these cases, and we do this using the ad hoc notation $\mathfrak{M}_{\rm ijk}(t_{ij}, t_{ik}, t_{jk}; l)$ where $l \in \{1,2,3\}$. See the end of Section 2 for further explanation of this notation. There is a further complexity caused by the division in the rank 2 cases mentioned earlier. In order to accommodate this we use, for example $\mathfrak{M}_{155}(0,0,4_1;2)$ in Theorem 3 to tell us that, not only is $|X_j \cap X_k| = 4$ but we are in “Case 1” of this situation as described in Theorem 2. We note that if two or more of i, j and k are equal, apparently different parameters t_{ij}, t_{ik}, t_{jk} may describe the same situation. For example $\mathfrak{M}_{333}(1,1,3)$ and $\mathfrak{M}_{333}(3,1,1)$ describe the same configuration as do $\mathfrak{M}_{335}(1,2,4)$ and $\mathfrak{M}_{335}(1,4,2)$.

We remark that the geometry $\Gamma = \Gamma(G, \mathcal{F})$ where $\mathcal{F} = \{G_1, G_2, G_3\}$ is residually connected if and only if $G_1 =< G_{12}, G_{13} >$, $G_2 =< G_{12}, G_{23} >$ and $G_3 =< G_{13}, G_{23} >$. Also we observe that the conjugacy classes $\mathfrak{M}_3$ and $\mathfrak{M}_4$ fuse in $AutG$.

Below we give certain subsets of Λ which will be encountered frequently in our lits.

$h_1 =$

× ×		
× × × ×		

, $h_2 =$

	× ×	× ×
		× ×

, $h_3 =$

× ×	× × × ×	

$h_4 =$

× ×		× × × ×

, $h_5 =$

	× ×	× ×
		× ×

, $h_6 =$

× ×		
		× × × ×

****

$h_1{}^\star =$

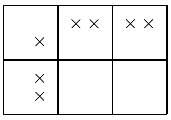
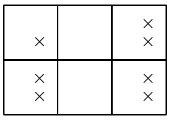
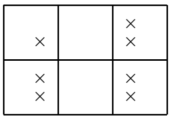
×	× ×	
× ×	× ×	

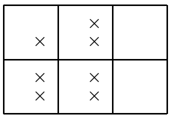
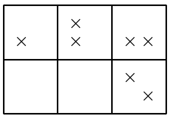
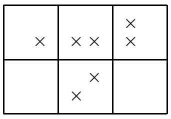
, $h_2{}^\star =$

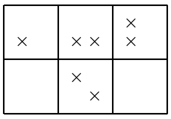
×	× ×	× ×
× ×		

, $h_3{}^\star =$

×	× ×	
× ×	× ×	

$h_4{}^\star =$ , $h_5{}^\star =$ , $h_6{}^\star =$ 

$h_7{}^\star =$ , $h_8{}^\star =$ , $h_9{}^\star =$ 

$h_{10}{}^\star =$ 

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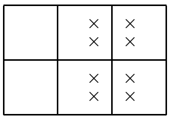
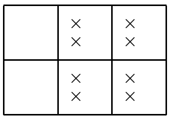
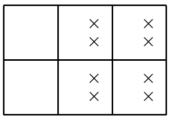
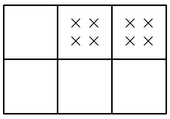
$O_4 =$ , $O_5 =$ , $O_6 =$ 

$O_7 =$ 

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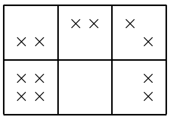
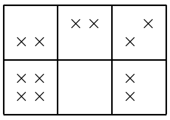
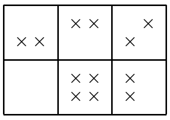
$d_1 =$ , $d_2 =$ , $d_3 =$ 

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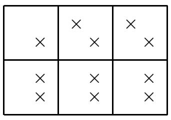
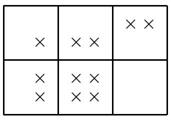
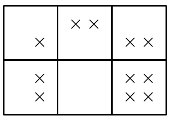
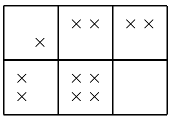
$e_1 =$ , $e_2=$ , $e_3=$ 

$e_3=$ 

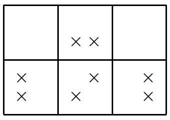
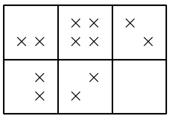
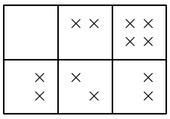
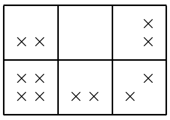
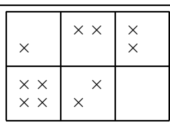
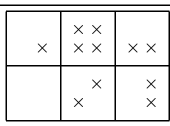
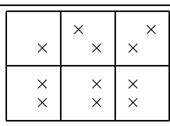
Our notation is as in the [3] with the following addition: SD_n is the semidihedral group of order n, F_n a Frobenious group of order n and $(S_n \times S_m)^+$ is the group of even permutation in the permutation group $S_n \times S_m$.

1 Rank 2 geometries of M_{22}

2 Theorem. *Up to conjugacy in AutG there are 86 rank 2 geometries* $\Gamma = \Gamma(G, \{G_1, G_2\})$ *with* $G_1, G_2 \in \mathfrak{M}$. *These together with the shape of* G_{12}, *are listed in the following table.*

Γ	G_{12}		Γ	G_{12}		Γ	G_{12}
$\mathfrak{M}_{11}(0)$	2^4A_5		$\mathfrak{M}_{12}(0)$	A_6		$\mathfrak{M}_{12}(1)$	2^4A_5
$\mathfrak{M}_{13}(0)$	$L_3(2)$		$\mathfrak{M}_{13}(1)$	A_6		$\mathfrak{M}_{15}(0)$	2^4S_3
$\mathfrak{M}_{15}(1)$	$L_3(2)$		$\mathfrak{M}_{16}(0)$	2^4S_3		$\mathfrak{M}_{16}(1)$	2^4A_5
$\mathfrak{M}_{17}(0)$	M_9		$\mathfrak{M}_{17}(1)$	A_5		$\mathfrak{M}_{18}(0)$	A_5
$\mathfrak{M}_{18}(1)$	A_5						
$\mathfrak{M}_{22}(0)$	A_6		$\mathfrak{M}_{22}(2)$	2^2S_4		$\mathfrak{M}_{23}(1)$	A_5
$\mathfrak{M}_{23}(3)$	$(S_3 \times S_4)^+$		$\mathfrak{M}_{25}(0)$	2^3S_4		$\mathfrak{M}_{25}(2)$	S_4
$\mathfrak{M}_{25}(4)$	2^2S_4		$\mathfrak{M}_{26}(0)$	$2 \times S_4$		$\mathfrak{M}_{26}(1)$	A_5
$\mathfrak{M}_{26}(2)$	2^4S_4		$\mathfrak{M}_{27}(2)$	S_4		$\mathfrak{M}_{27}(4)$	SD_{16}
$\mathfrak{M}_{27}(6)$	A_6		$\mathfrak{M}_{28}(1)$	A_5		$\mathfrak{M}_{28}(3)$	D_{12}
$\mathfrak{M}_{28}(5)$	A_5						
$\mathfrak{M}_{33}(1)$	3^24		$\mathfrak{M}_{33}(3)$	S_4		$\mathfrak{M}_{34}(0)$	$L_3(2)$
$\mathfrak{M}_{34}(2)$	F_{20}		$\mathfrak{M}_{34}(4)$	$(S_3 \times S_4)^+$		$\mathfrak{M}_{35}(0)$	$L_3(2)$
$\mathfrak{M}_{35}(2)$	D_{12}		$\mathfrak{M}_{35}(4)$	S_4		$\mathfrak{M}_{36}(0)$	S_4
$\mathfrak{M}_{36}(1)$	S_4		$\mathfrak{M}_{36}(2)$	S_5		$\mathfrak{M}_{37}(2)$	F_{20}
$\mathfrak{M}_{37}(4)$	S_3		$\mathfrak{M}_{37}(6)$	3^24		$\mathfrak{M}_{38}(2)$	D_{12}
$\mathfrak{M}_{38}(4)$	S_3		$\mathfrak{M}_{38}(6)$	A_5			
$\mathfrak{M}_{55}(0)$	2^3S_4		$\mathfrak{M}_{55}(2)$	D_8		$\mathfrak{M}_{55}(4_1)$	A_4
$\mathfrak{M}_{55}(4_2)$	2^42		$\mathfrak{M}_{56}(0_1)$	$2^4(2 \times S_3)$		$\mathfrak{M}_{56}(0_2)$	$2 \times D_8$
$\mathfrak{M}_{56}(1)$	A_4		$\mathfrak{M}_{56}(2)$	$2^2(2 \times S_3)$		$\mathfrak{M}_{57}(2)$	S_4
$\mathfrak{M}_{57}(4_1)$	S_4		$\mathfrak{M}_{57}(4_2)$	4		$\mathfrak{M}_{57}(6)$	D_8
$\mathfrak{M}_{58}(2)$	D_{12}		$\mathfrak{M}_{58}(4_1)$	2^2		$\mathfrak{M}_{58}(4_2)$	A_4
$\mathfrak{M}_{58}(6)$	D_{12}						
$\mathfrak{M}_{66}(0_1)$	D_{12}		$\mathfrak{M}_{66}(0_2)$	2^3D_8		$\mathfrak{M}_{66}(1)$	2^43
$\mathfrak{M}_{67}(0)$	SD_{16}		$\mathfrak{M}_{67}(1)$	S_3		$\mathfrak{M}_{67}(2_1)$	F_{20}
$\mathfrak{M}_{67}(2_2)$	S_4		$\mathfrak{M}_{68}(0)$	D_{12}		$\mathfrak{M}_{68}(1_1)$	D_{10}
$\mathfrak{M}_{68}(1_2)$	A_4		$\mathfrak{M}_{68}(2)$	D_{12}			
$\mathfrak{M}_{77}(4)$	SD_{16}		$\mathfrak{M}_{77}(6)$	2		$\mathfrak{M}_{77}(8_1)$	4
$\mathfrak{M}_{77}(8_2)$	S_4		$\mathfrak{M}_{78}(4)$	S_3		$\mathfrak{M}_{78}(6_1)$	D_{10}
$\mathfrak{M}_{78}(6_2)$	2		$\mathfrak{M}_{78}(8)$	S_3			
$\mathfrak{M}_{88}(3)$	D_{12}		$\mathfrak{M}_{88}(5_1)$	2		$\mathfrak{M}_{88}(5_2)$	D_{10}
$\mathfrak{M}_{88}(7_1)$	2^2		$\mathfrak{M}_{88}(7_2)$	A_4			

We now define the subgroups for $\mathfrak{M}_{\mathrm{ij}}(t_l)$ ($l \in \{1,2\}$) by giving the $X_i \in \mathfrak{X}$ such that $G_i = Stab_G X_i$ ($i = 1, 2$).

$\mathfrak{M}_{\mathrm{ij}}(t_l)$	X_1	X_2
$\mathfrak{M}_{55}(4_1)$	O_2	O_6
$\mathfrak{M}_{55}(4_2)$	O_2	O_7
$\mathfrak{M}_{56}(\mathrm{O}_1)$	O_2	$\{0, 8\}$
$\mathfrak{M}_{56}(\mathrm{O}_2)$	O_2	$\{19, 22\}$
$\mathfrak{M}_{57}(4_1)$	O_3	d_1
$\mathfrak{M}_{57}(4_2)$		d_1
$\mathfrak{M}_{58}(4_1)$	O_7	e_2
$\mathfrak{M}_{58}(4_2)$	O_3	e_1
$\mathfrak{M}_{66}(0_1)$	$\{11, 17\}$	$\{19, 22\}$
$\mathfrak{M}_{66}(0_2)$	$\{0, 8\}$	$\{3, 20\}$
$\mathfrak{M}_{67}(2_1)$	$\{8, 17\}$	d_1
$\mathfrak{M}_{67}(2_2)$	$\{11, 17\}$	d_1
$\mathfrak{M}_{68}(1_1)$	$\{1, 22\}$	e_2
$\mathfrak{M}_{68}(1_2)$	$\{11, 17\}$	e_1
$\mathfrak{M}_{77}(8_1)$	d_1	
$\mathfrak{M}_{77}(8_2)$	d_1	d_2
$\mathfrak{M}_{78}(6_1)$		e_2
$\mathfrak{M}_{78}(6_2)$		e_1
$\mathfrak{M}_{88}(5_1)$	e_2	
$\mathfrak{M}_{88}(5_2)$	e_2	
$\mathfrak{M}_{88}(7_1)$	e_2	e_4
$\mathfrak{M}_{88}(7_2)$	e_1	

2 Rank 3 geometries of M_{22}

3 Theorem. *Up to conjugacy in AutG there are 1239 rank 3 residualy connected geometries $\Gamma = \Gamma(G, \{G_1, G_2, G_3\})$ with $G_1, G_2, G_3 \in \mathfrak{M}$. These together with the shape of G_{123} are listed in the following table below*

Γ	G_{123}		Γ	G_{123}
$\mathfrak{M}_{111}(0,0,0)$	$2^4 3$		$\mathfrak{M}_{112}(0,0,0)$	S_4
$\mathfrak{M}_{112}(0,0,1)$	A_5		$\mathfrak{M}_{112}(0,1,1)$	$2^4 A_4$
$\mathfrak{M}_{113}(0,0,0)$	A_4		$\mathfrak{M}_{113}(0,0,1)$	S_4
$\mathfrak{M}_{113}(0,1,1)$	A_5			
$\mathfrak{M}_{115}(0,0,0)$	2^3		$\mathfrak{M}_{115}(0,0,1)$	A_4
$\mathfrak{M}_{115}(0,1,1)$	S_4			
$\mathfrak{M}_{116}(0,0,0:1)$	$2^4 2$		$\mathfrak{M}_{116}(0,0,0:2)$	S_3
$\mathfrak{M}_{116}(0,1,0)$	$2^4 3$			
$\mathfrak{M}_{117}(0,1,0)$	S_3		$\mathfrak{M}_{117}(0,0,0)$	Q_8
$\mathfrak{M}_{118}(0,1,1)$	S_3		$\mathfrak{M}_{118}(0,0,1:1)$	A_4
$\mathfrak{M}_{118}(0,0,1:2)$	D_{10}			
$\mathfrak{M}_{122}(0,0,0)$	$3^2 4$		$\mathfrak{M}_{122}(0,1,0)$	A_5
$\mathfrak{M}_{122}(0,0,2)$	D_8		$\mathfrak{M}_{122}(1,0,2)$	S_4
$\mathfrak{M}_{122}(1,1,2)$	$2^2 A_4$			
$\mathfrak{M}_{123}(0,0,1)$	S_3		$\mathfrak{M}_{123}(0,1,1)$	D_{10}
$\mathfrak{M}_{123}(1,0,1)$	A_4		$\mathfrak{M}_{123}(0,0,3)$	S_3
$\mathfrak{M}_{123}(0,1,3)$	$3^2 2$		$\mathfrak{M}_{123}(1,0,3)$	S_4
$\mathfrak{M}_{123}(1,1,3)$	S_4			
$\mathfrak{M}_{125}(0,0,0)$	S_4		$\mathfrak{M}_{125}(0,1,0)$	S_4
$\mathfrak{M}_{125}(1,0,0)$	$2^2 D_8$		$\mathfrak{M}_{125}(0,1,2)$	4
$\mathfrak{M}_{125}(0,0,2:1)$	S_3		$\mathfrak{M}_{125}(0,0,2:2)$	2^2
$\mathfrak{M}_{125}(1,0,2)$	S_3		$\mathfrak{M}_{125}(1,1,2)$	A_4
$\mathfrak{M}_{125}(0,0,4)$	D_8		$\mathfrak{M}_{125}(0,1,4)$	S_4
$\mathfrak{M}_{125}(1,1,4)$	S_4		$\mathfrak{M}_{125}(1,0,4)$	$2^2 A_4$
$\mathfrak{M}_{126}(0,0,0:1)$	S_3		$\mathfrak{M}_{126}(0,0,0:2)$	D_8
$\mathfrak{M}_{126}(1,0,0)$	2^3		$\mathfrak{M}_{126}(0,1,0)$	S_4
$\mathfrak{M}_{126}(0,0,1)$	2^2		$\mathfrak{M}_{126}(1,0,1)$	A_4
$\mathfrak{M}_{126}(0,0,2)$	S_4		$\mathfrak{M}_{126}(1,1,2)$	$2^4 A_4$
$\mathfrak{M}_{127}(0,0,2)$	4		$\mathfrak{M}_{127}(1,0,2)$	S_3
$\mathfrak{M}_{127}(0,0,4)$	2		$\mathfrak{M}_{127}(0,1,4)$	2
$\mathfrak{M}_{127}(1,1,4)$	2^2		$\mathfrak{M}_{127}(1,0,4)$	Q_8
$\mathfrak{M}_{127}(0,0,6)$	$3^2 4$			
$\mathfrak{M}_{128}(0,1,1)$	S_3		$\mathfrak{M}_{128}(0,0,1)$	D_{10}
$\mathfrak{M}_{128}(1,0,1)$	A_4		$\mathfrak{M}_{128}(0,1,3:1)$	S_3
$\mathfrak{M}_{128}(0,1,3:2)$	2		$\mathfrak{M}_{128}(0,0,3:1)$	S_3
$\mathfrak{M}_{128}(0,0,3:2)$	2		$\mathfrak{M}_{128}(1,0,3)$	2^2

$\mathfrak{M}_{128}(1,1,3)$	2^2			
$\mathfrak{M}_{133}(0,0,1)$	4		$\mathfrak{M}_{133}(1,0,1)$	S_3
$\mathfrak{M}_{133}(0,0,3:1)$	S_3		$\mathfrak{M}_{133}(0,0,3:2)$	D_8
$\mathfrak{M}_{133}(0,3,1)$	S_3		$\mathfrak{M}_{133}(1,1,3)$	D_8
$\mathfrak{M}_{134}(0,0,0)$	F_{21}		$\mathfrak{M}_{134}(1,0,0)$	S_4
$\mathfrak{M}_{134}(0,0,2)$	2		$\mathfrak{M}_{134}(0,1,2)$	4
$\mathfrak{M}_{134}(1,1,2)$	D_{10}		$\mathfrak{M}_{134}(0,0,4)$	S_3
$\mathfrak{M}_{134}(1,1,4)$	3^22		$\mathfrak{M}_{134}(1,0,4)$	S_4
$\mathfrak{M}_{135}(0,1,0)$	F_{21}		$\mathfrak{M}_{135}(0,0,0)$	S_4
$\mathfrak{M}_{135}(1,0,0)$	S_4		$\mathfrak{M}_{135}(0,1,2)$	2
$\mathfrak{M}_{135}(0,0,2:1)$	2		$\mathfrak{M}_{135}(0,0,2:2)$	2^2
$\mathfrak{M}_{135}(1,0,2:1)$	2^2		$\mathfrak{M}_{135}(1,0,2:2)$	S_3
$\mathfrak{M}_{135}(1,1,2)$	S_3		$\mathfrak{M}_{135}(0,0,4:1)$	D_8
$\mathfrak{M}_{135}(0,0,4:2)$	3		$\mathfrak{M}_{135}(1,1,4)$	S_3
$\mathfrak{M}_{135}(0,1,4)$	S_3		$\mathfrak{M}_{135}(1,0,4)$	D_8
$\mathfrak{M}_{136}(0,0,0)$	2		$\mathfrak{M}_{136}(1,0,0)$	S_3
$\mathfrak{M}_{136}(0,1,1)$	A_4		$\mathfrak{M}_{136}(0,0,1:1)$	3
$\mathfrak{M}_{136}(0,0,1:2)$	2^2		$\mathfrak{M}_{136}(1,0,1)$	2^2
$\mathfrak{M}_{136}(0,0,2)$	D_8		$\mathfrak{M}_{136}(1,0,2)$	S_4
$\mathfrak{M}_{136}(1,1,2)$	A_5			
$\mathfrak{M}_{137}(0,1,2)$	2		$\mathfrak{M}_{137}(0,0,2)$	4
$\mathfrak{M}_{137}(1,0,2)$	4		$\mathfrak{M}_{137}(1,1,2)$	D_{10}
$\mathfrak{M}_{137}(0,0,4)$	1		$\mathfrak{M}_{137}(1,0,4)$	2
$\mathfrak{M}_{137}(0,0,6)$	4		$\mathfrak{M}_{137}(0,1,6)$	S_3
$\mathfrak{M}_{137}(1,1,6)$	S_3			
$\mathfrak{M}_{138}(0,1,2:1)$	2		$\mathfrak{M}_{138}(0,1,2:2)$	2^2
$\mathfrak{M}_{138}(0,0,2)$	2		$\mathfrak{M}_{138}(1,0,2:1)$	2^2
$\mathfrak{M}_{138}(1,0,2:2)$	S_3		$\mathfrak{M}_{138}(1,1,2)$	S_3
$\mathfrak{M}_{138}(0,1,4)$	1		$\mathfrak{M}_{138}(0,0,4:1)$	2
$\mathfrak{M}_{138}(0,0,4:2)$	3		$\mathfrak{M}_{138}(1,0,4)$	2
$\mathfrak{M}_{138}(0,0,6)$	S_3		$\mathfrak{M}_{138}(1,1,6)$	D_{10}
$\mathfrak{M}_{138}(0,1,6)$	A_4			
$\mathfrak{M}_{155}(0,1,0)$	S_4		$\mathfrak{M}_{155}(0,0,2)$	2
$\mathfrak{M}_{155}(0,1,2)$	2		$\mathfrak{M}_{155}(1,1,2)$	4
$\mathfrak{M}_{155}(0,0,4_1:1)$	3		$\mathfrak{M}_{155}(0,0,4_1:2)$	2^2
$\mathfrak{M}_{155}(1,0,4_1)$	3		$\mathfrak{M}_{155}(1,1,4_1)$	3
$\mathfrak{M}_{155}(0,0,4_2)$	2^2		$\mathfrak{M}_{155}(0,1,4_2)$	D_8

$\mathfrak{M}_{155}(1,1,4_2)$	D_8			
$\mathfrak{M}_{156}(0,0,0_1)$	$2^2 2^2$		$\mathfrak{M}_{156}(1,0,0_1)$	S_4
$\mathfrak{M}_{156}(0,0,0_2)$	2		$\mathfrak{M}_{156}(1,0,0_2)$	2
$\mathfrak{M}_{156}(0,1,0_2)$	2^3		$\mathfrak{M}_{156}(0,0,1)$	1
$\mathfrak{M}_{156}(1,0,1)$	3		$\mathfrak{M}_{156}(0,0,2:1)$	S_3
$\mathfrak{M}_{156}(0,0,2:2)$	2^3		$\mathfrak{M}_{156}(1,0,2)$	2^3
$\mathfrak{M}_{156}(1,1,2)$	S_4			
$\mathfrak{M}_{157}(1,0,2)$	4		$\mathfrak{M}_{157}(0,0,2)$	S_3
$\mathfrak{M}_{157}(0,0,4_1)$	4		$\mathfrak{M}_{157}(1,0,4_1)$	S_3
$\mathfrak{M}_{157}(0,0,4_2)$	1		$\mathfrak{M}_{157}(1,0,4_2)$	1
$\mathfrak{M}_{157}(1,1,4_2)$	1		$\mathfrak{M}_{157}(0,1,4_2:1)$	S_3
$\mathfrak{M}_{157}(0,1,4_2:2)$	2		$\mathfrak{M}_{157}(0,0,6)$	2
$\mathfrak{M}_{157}(1,0,6)$	4			
$\mathfrak{M}_{158}(0,1,2:1)$	2		$\mathfrak{M}_{158}(0,1,2:2)$	2^2
$\mathfrak{M}_{158}(1,0,2)$	2		$\mathfrak{M}_{158}(0,0,2)$	2^2
$\mathfrak{M}_{158}(1,1,2)$	S_3		$\mathfrak{M}_{158}(0,1,4_1:1)$	2
$\mathfrak{M}_{158}(0,1,4_1:2)$	1		$\mathfrak{M}_{158}(0,0,4_1:1)$	1
$\mathfrak{M}_{158}(0,0,4_1:2)$	2		$\mathfrak{M}_{158}(1,1,4_1)$	2
$\mathfrak{M}_{158}(1,0,4_1)$	2		$\mathfrak{M}_{158}(0,1,4_2)$	2
$\mathfrak{M}_{158}(0,0,4_2)$	2		$\mathfrak{M}_{158}(1,1,4_2)$	3
$\mathfrak{M}_{158}(1,0,4_2)$	3		$\mathfrak{M}_{158}(1,1,6)$	2
$\mathfrak{M}_{158}(0,0,6:1)$	2^2		$\mathfrak{M}_{158}(0,0,6:2)$	2
$\mathfrak{M}_{158}(0,1,6:1)$	S_3		$\mathfrak{M}_{158}(0,1,6:2)$	2^2
$\mathfrak{M}_{158}(1,0,6)$	S_3			
$\mathfrak{M}_{166}(0,0,0_1:1)$	2^2		$\mathfrak{M}_{166}(0,0,0_1:2)$	2
$\mathfrak{M}_{166}(1,0,0_1)$	S_3		$\mathfrak{M}_{166}(0,0,0_2)$	2^2
$\mathfrak{M}_{166}(0,0,1)$	3			
$\mathfrak{M}_{167}(0,1,0)$	2		$\mathfrak{M}_{167}(0,0,0)$	2
$\mathfrak{M}_{167}(1,0,0)$	Q_8		$\mathfrak{M}_{167}(0,0,1:1)$	2
$\mathfrak{M}_{167}(0,0,1:2)$	1		$\mathfrak{M}_{167}(0,1,2_1)$	2
$\mathfrak{M}_{167}(0,0,2_1)$	4		$\mathfrak{M}_{167}(1,1,2_1)$	D_{10}
$\mathfrak{M}_{167}(0,0,2_2)$	4			
$\mathfrak{M}_{168}(0,0,1_1)$	2		$\mathfrak{M}_{168}(0,1,1_1)$	2
$\mathfrak{M}_{168}(0,0,1_2)$	2		$\mathfrak{M}_{168}(0,1,1_2)$	2
$\mathfrak{M}_{168}(0,0,0:1)$	2		$\mathfrak{M}_{168}(0,0,0:2)$	2^2
$\mathfrak{M}_{168}(0,1,0:1)$	2		$\mathfrak{M}_{168}(0,1,0:2)$	2^2
$\mathfrak{M}_{168}(0,1,0:3)$	S_3		$\mathfrak{M}_{168}(1,0,0)$	S_3

$\mathfrak{M}_{168}(0,0,2:1)$	2		$\mathfrak{M}_{168}(0,0,2:2)$	2^2
$\mathfrak{M}_{168}(0,1,2:1)$	2		$\mathfrak{M}_{168}(0,1,2:2)$	2^2
			$\mathfrak{M}_{168}(1,0,2)$	S_3
$\mathfrak{M}_{177}(0,1,4)$	2		$\mathfrak{M}_{177}(1,1,4)$	2^2
$\mathfrak{M}_{177}(0,0,4)$	Q_8		$\mathfrak{M}_{177}(0,0,6)$	1
$\mathfrak{M}_{177}(0,0,8_1)$	1		$\mathfrak{M}_{177}(1,0,8_1)$	1
$\mathfrak{M}_{177}(1,1,8_1:1)$	1		$\mathfrak{M}_{177}(1,1,8_1:2)$	2
$\mathfrak{M}_{177}(1,1,8_2)$	4			
$\mathfrak{M}_{178}(0,0,6_1)$	2		$\mathfrak{M}_{178}(0,1,6_1)$	2
$\mathfrak{M}_{178}(0,0,6_2)$	1		$\mathfrak{M}_{178}(0,1,6_2)$	1
$\mathfrak{M}_{178}(0,0,8)$	1		$\mathfrak{M}_{178}(0,1,8)$	2
$\mathfrak{M}_{178}(0,1,4)$	1		$\mathfrak{M}_{178}(0,0,4)$	2
$\mathfrak{M}_{188}(1,0,3)$	2		$\mathfrak{M}_{188}(0,0,3)$	2^2
$\mathfrak{M}_{188}(1,1,3)$	2^2		$\mathfrak{M}_{188}(0,0,5_1)$	1
$\mathfrak{M}_{188}(1,0,5_1)$	1		$\mathfrak{M}_{188}(0,1,5_1)$	1
$\mathfrak{M}_{188}(1,1,5_1)$	1		$\mathfrak{M}_{188}(0,0,5_2)$	2
$\mathfrak{M}_{188}(1,0,5_2)$	2		$\mathfrak{M}_{188}(1,1,5_2)$	2
$\mathfrak{M}_{188}(0,0,7_1:1)$	1		$\mathfrak{M}_{188}(0,0,7_1:2)$	2
$\mathfrak{M}_{188}(1,1,7_1:1)$	1		$\mathfrak{M}_{188}(1,1,7_1:2)$	2
$\mathfrak{M}_{188}(1,0,7_1)$	2		$\mathfrak{M}_{188}(1,1,7_2)$	2
$\mathfrak{M}_{188}(0,0,7_2)$	2		$\mathfrak{M}_{188}(1,0,7_2)$	3
* * * * * * * * * * *	* * **		* * * * * * * * * * *	* * **
$\mathfrak{M}_{222}(0,2,2)$	D_8		$\mathfrak{M}_{222}(0,0,2)$	S_4
$\mathfrak{M}_{222}(2,2,2:1)$	3		$\mathfrak{M}_{222}(2,2,2:2)$	$2^2 2$
$\mathfrak{M}_{223}(0,3,1)$	S_3		$\mathfrak{M}_{223}(0,1,1)$	D_{10}
$\mathfrak{M}_{223}(0,3,3)$	$3^2 2$		$\mathfrak{M}_{223}(2,3,1:1)$	2
$\mathfrak{M}_{223}(2,3,1:2)$	S_3		$\mathfrak{M}_{223}(2,3,3:1)$	S_3
$\mathfrak{M}_{223}(2,3,3:2)$	2^2		$\mathfrak{M}_{223}(2,1,1)$	2^2
$\mathfrak{M}_{225}(0,2,2)$	2		$\mathfrak{M}_{225}(0,4,2)$	D_8
$\mathfrak{M}_{225}(0,0,4)$	S_4		$\mathfrak{M}_{225}(2,2,2:1)$	1
$\mathfrak{M}_{225}(2,2,2:2)$	2		$\mathfrak{M}_{225}(2,2,4)$	3
$\mathfrak{M}_{225}(2,2,0)$	2^2		$\mathfrak{M}_{225}(2,4,4)$	2^3
$\mathfrak{M}_{225}(2,0,0)$	$2^4 2$			
$\mathfrak{M}_{226}(0,0,1)$	S_3		$\mathfrak{M}_{226}(0,0,0)$	D_8
$\mathfrak{M}_{226}(0,0,2)$	S_4		$\mathfrak{M}_{226}(2,1,0)$	2
$\mathfrak{M}_{226}(2,0,0:1)$	2		$\mathfrak{M}_{226}(2,0,0:2)$	2^3
$\mathfrak{M}_{226}(2,1,2)$	A_4		$\mathfrak{M}_{226}(2,0,2)$	$2 \times D_8$
$\mathfrak{M}_{227}(2,4,4:1)$	2^2		$\mathfrak{M}_{227}(2,4,4:2)$	1
$\mathfrak{M}_{227}(2,4,2)$	1		$\mathfrak{M}_{227}(2,6,4)$	D_8

$\mathfrak{M}_{227}(0,4,2)$	2		$\mathfrak{M}_{227}(0,4,4)$	2
$\mathfrak{M}_{228}(0,3,3)$	2		$\mathfrak{M}_{228}(0,3,5)$	S_3
$\mathfrak{M}_{228}(0,3,1)$	S_3		$\mathfrak{M}_{228}(0,1,5)$	D_{10}
$\mathfrak{M}_{228}(2,3,3:1)$	1		$\mathfrak{M}_{228}(2,3,3:2)$	2
$\mathfrak{M}_{228}(2,3,3:3)$	2^2		$\mathfrak{M}_{228}(2,3,5:1)$	2
$\mathfrak{M}_{228}(2,3,5:2)$	2^2		$\mathfrak{M}_{228}(2,1,3:1)$	2
$\mathfrak{M}_{228}(2,1,3:2)$	2^2		$\mathfrak{M}_{228}(2,5,5)$	S_3
$\mathfrak{M}_{228}(2,1,1)$	S_3		$\mathfrak{M}_{228}(2,5,1)$	A_4
$\mathfrak{M}_{233}(3,1,1)$	2		$\mathfrak{M}_{233}(3,3,3:1)$	2
$\mathfrak{M}_{233}(3,3,3:2)$	2^2		$\mathfrak{M}_{233}(3,3,1)$	4
$\mathfrak{M}_{233}(3,1,3)$	S_3		$\mathfrak{M}_{233}(1,1,1)$	2
$\mathfrak{M}_{233}(1,1,3:1)$	3		$\mathfrak{M}_{233}(1,1,3:2)$	2
$\mathfrak{M}_{234}(3,1,2)$	2		$\mathfrak{M}_{234}(3,3,2:1)$	2
$\mathfrak{M}_{234}(3,3,2:2)$	4		$\mathfrak{M}_{234}(3,3,4)$	2^2
$\mathfrak{M}_{234}(3,1,0)$	S_3		$\mathfrak{M}_{234}(3,1,4)$	S_3
$\mathfrak{M}_{234}(1,1,2)$	1		$\mathfrak{M}_{234}(1,1,4)$	2^2
$\mathfrak{M}_{235}(3,2,2:1)$	1		$\mathfrak{M}_{235}(3,2,2:2)$	2
$\mathfrak{M}_{235}(3,2,4)$	2		$\mathfrak{M}_{235}(3,4,4:1)$	2^2
$\mathfrak{M}_{235}(3,4,4:2)$	S_3		$\mathfrak{M}_{235}(3,4,2)$	2^2
$\mathfrak{M}_{235}(3,0,2)$	2^2		$\mathfrak{M}_{235}(3,2,0)$	S_3
$\mathfrak{M}_{235}(3,0,0)$	S_4		$\mathfrak{M}_{235}(1,2,2)$	1
$\mathfrak{M}_{235}(1,4,2:1)$	1		$\mathfrak{M}_{235}(1,4,2:2)$	2^2
$\mathfrak{M}_{235}(1,2,4)$	2		$\mathfrak{M}_{235}(1,0,4)$	2^2
$\mathfrak{M}_{235}(1,0,2)$	2^2		$\mathfrak{M}_{235}(1,2,0)$	S_3
$\mathfrak{M}_{235}(1,4,4)$	S_3		$\mathfrak{M}_{235}(1,4,0)$	A_4
$\mathfrak{M}_{236}(3,0,1)$	2		$\mathfrak{M}_{236}(3,0,0:1)$	2
$\mathfrak{M}_{236}(3,0,0:2)$	2^2		$\mathfrak{M}_{236}(3,0,0:3)$	S_3
$\mathfrak{M}_{236}(3,1,2)$	S_3		$\mathfrak{M}_{236}(3,2,1)$	D_8
$\mathfrak{M}_{236}(3,0,2)$	D_{12}		$\mathfrak{M}_{236}(3,2,2)$	S_4
$\mathfrak{M}_{236}(1,0,1)$	2		$\mathfrak{M}_{236}(1,0,0:1)$	2
$\mathfrak{M}_{236}(1,0,0:2)$	2^2		$\mathfrak{M}_{236}(1,1,0:1)$	2
$\mathfrak{M}_{236}(1,1,0:2)$	3		$\mathfrak{M}_{236}(1,0,2)$	2^2
$\mathfrak{M}_{237}(3,4,4:1)$	1		$\mathfrak{M}_{237}(3,4,4:2)$	2
$\mathfrak{M}_{237}(3,4,2:1)$	2		$\mathfrak{M}_{237}(3,4,2:2)$	4
$\mathfrak{M}_{237}(3,2,2)$	2		$\mathfrak{M}_{237}(3,6,6)$	$3^2 2$
$\mathfrak{M}_{237}(1,4,2:1)$	1		$\mathfrak{M}_{237}(1,4,2:2)$	2
$\mathfrak{M}_{237}(1,4,4:1)$	1		$\mathfrak{M}_{237}(1,4,4:2)$	2
$\mathfrak{M}_{237}(1,4,6)$	2		$\mathfrak{M}_{237}(1,2,6)$	2
$\mathfrak{M}_{237}(1,2,2)$	2		$\mathfrak{M}_{237}(1,6,2)$	D_{10}

$\mathfrak{M}_{238}(3,3,4:1)$	1		$\mathfrak{M}_{238}(3,3,4:2)$	2
$\mathfrak{M}_{238}(3,3,2:1)$	1		$\mathfrak{M}_{238}(3,3,2:2)$	2
$\mathfrak{M}_{238}(3,3,2:3)$	2^2		$\mathfrak{M}_{238}(3,1,2:1)$	2
$\mathfrak{M}_{238}(3,1,2:2)$	S_3		$\mathfrak{M}_{238}(3,1,4)$	2
$\mathfrak{M}_{238}(3,3,6)$	2^2		$\mathfrak{M}_{238}(3,5,6)$	S_3
$\mathfrak{M}_{238}(1,1,4)$	1		$\mathfrak{M}_{238}(1,3,2:1)$	1
$\mathfrak{M}_{238}(1,3,2:2)$	2		$\mathfrak{M}_{238}(1,3,4:1)$	1
$\mathfrak{M}_{238}(1,3,4:2)$	2		$\mathfrak{M}_{238}(1,5,2)$	2
$\mathfrak{M}_{238}(1,3,6)$	2		$\mathfrak{M}_{238}(1,5,4)$	2
$\mathfrak{M}_{238}(1,1,2)$	2^2			
$\mathfrak{M}_{255}(2,2,4_1:1)$	1		$\mathfrak{M}_{255}(2,2,4_1:2)$	2
$\mathfrak{M}_{255}(2,2,2)$	1		$\mathfrak{M}_{255}(0,2,4_1)$	2
$\mathfrak{M}_{255}(2,4,4_1)$	2		$\mathfrak{M}_{255}(0,2,2)$	2
$\mathfrak{M}_{255}(4,4,4_1)$	3		$\mathfrak{M}_{255}(2,2,0)$	2^2
$\mathfrak{M}_{255}(2,2,4_2)$	2^2		$\mathfrak{M}_{255}(2,4,4_2)$	2^2
$\mathfrak{M}_{255}(4,0,2)$	2^2		$\mathfrak{M}_{255}(4,4,4_2)$	2^3
$\mathfrak{M}_{255}(0,0,4_2)$	2^4		$\mathfrak{M}_{255}(4,0,0)$	$2^4 2$
$\mathfrak{M}_{256}(0,0,1)$	3		$\mathfrak{M}_{256}(0,1,0_2)$	2^2
$\mathfrak{M}_{256}(0,0,2)$	2^3		$\mathfrak{M}_{256}(0,0,0_2)$	2^3
$\mathfrak{M}_{256}(0,2,0_1)$	$2^4 2^2$		$\mathfrak{M}_{256}(2,0,1:1)$	1
$\mathfrak{M}_{256}(2,0,1:2)$	2		$\mathfrak{M}_{256}(2,1,0_2)$	2
$\mathfrak{M}_{256}(2,1,2)$	2		$\mathfrak{M}_{256}(2,0,2)$	2
$\mathfrak{M}_{256}(2,2,1)$	3		$\mathfrak{M}_{256}(2,2,0_2)$	2^2
$\mathfrak{M}_{256}(2,1,0_1)$	S_3		$\mathfrak{M}_{256}(2,0,0_1)$	D_8
$\mathfrak{M}_{256}(4,0,1)$	2		$\mathfrak{M}_{256}(4,1,0_1)$	2^2
$\mathfrak{M}_{256}(4,1,2)$	S_3		$\mathfrak{M}_{256}(4,2,2)$	$2^2 2^2$
$\mathfrak{M}_{257}(0,4,4_2)$	1		$\mathfrak{M}_{257}(0,2,4_2)$	2
$\mathfrak{M}_{257}(0,4,6)$	2^2		$\mathfrak{M}_{257}(0,4,2)$	2^2
$\mathfrak{M}_{257}(2,4,2)$	1		$\mathfrak{M}_{257}(2,4,4_2)$	1
$\mathfrak{M}_{257}(2,4,6:1)$	1		$\mathfrak{M}_{257}(2,4,6:2)$	2
$\mathfrak{M}_{257}(2,4,4_1:1)$	1		$\mathfrak{M}_{257}(2,4,4_1:2)$	2
$\mathfrak{M}_{257}(2,2,4_2:1)$	1		$\mathfrak{M}_{257}(2,2,4_2:2)$	2
$\mathfrak{M}_{257}(2,6,4_2)$	2		$\mathfrak{M}_{257}(4,2,4_2)$	1
$\mathfrak{M}_{257}(4,4,4_2)$	1		$\mathfrak{M}_{257}(4,4,6)$	1
$\mathfrak{M}_{257}(4,4,4_1)$	3		$\mathfrak{M}_{257}(4,4,2)$	D_8
$\mathfrak{M}_{258}(0,3,4_2:1)$	3		$\mathfrak{M}_{258}(0,3,4_2:2)$	2^2
$\mathfrak{M}_{258}(0,1,6)$	2^2		$\mathfrak{M}_{258}(0,5,2)$	2^2
$\mathfrak{M}_{258}(0,3,2)$	2^2		$\mathfrak{M}_{258}(0,3,6)$	2^2
$\mathfrak{M}_{258}(2,3,2:1)$	1		$\mathfrak{M}_{258}(2,3,2:2)$	2

$\mathfrak{M}_{258}(2,3,4_1)$	1		$\mathfrak{M}_{258}(2,5,4_1)$	1
$\mathfrak{M}_{258}(2,1,4_1)$	1		$\mathfrak{M}_{258}(2,3,4_2:1)$	1
$\mathfrak{M}_{258}(2,3,4_2:2)$	2		$\mathfrak{M}_{258}(2,3,6:1)$	1
$\mathfrak{M}_{258}(2,3,6:2)$	2		$\mathfrak{M}_{258}(2,1,4_2:1)$	2
$\mathfrak{M}_{258}(2,1,4_2:2)$	2		$\mathfrak{M}_{258}(2,5,4_2:1)$	2
$\mathfrak{M}_{258}(2,5,4_2:2)$	3		$\mathfrak{M}_{258}(2,5,2)$	2
$\mathfrak{M}_{258}(2,1,6)$	2		$\mathfrak{M}_{258}(2,5,6:1)$	2
$\mathfrak{M}_{258}(2,5,6:2)$	2		$\mathfrak{M}_{258}(2,1,2)$	2
$\mathfrak{M}_{258}(4,3,4_1:1)$	1		$\mathfrak{M}_{258}(4,3,4_1:2)$	2
$\mathfrak{M}_{258}(4,3,4_2)$	1		$\mathfrak{M}_{258}(4,1,4_1)$	2
$\mathfrak{M}_{258}(4,5,4_1)$	2		$\mathfrak{M}_{258}(4,3,6:1)$	2
$\mathfrak{M}_{258}(4,3,6:2)$	2^2		$\mathfrak{M}_{258}(4,3,2:1)$	2
$\mathfrak{M}_{258}(4,3,2:2)$	2^2		$\mathfrak{M}_{258}(4,5,6)$	2^2
$\mathfrak{M}_{258}(4,1,2)$	S_3			
$\mathfrak{M}_{266}(1,1,0_1)$	1		$\mathfrak{M}_{266}(0,0,0_1)$	1
$\mathfrak{M}_{266}(0,1,0_2)$	2		$\mathfrak{M}_{266}(0,0,1)$	3
$\mathfrak{M}_{266}(1,1,0_2)$	2^2		$\mathfrak{M}_{266}(2,0,0_1)$	2^2
$\mathfrak{M}_{266}(1,0,0_2)$	2^2		$\mathfrak{M}_{266}(0,0,1)$	2^2
$\mathfrak{M}_{266}(1,2,0_1)$	2^2		$\mathfrak{M}_{266}(2,0,0_2)$	$2\times D_8$
$\mathfrak{M}_{266}(2,0,0_1)$	2^2			
$\mathfrak{M}_{267}(0,4,0:1)$	1		$\mathfrak{M}_{267}(0,4,0:2)$	2
$\mathfrak{M}_{267}(0,4,1)$	1		$\mathfrak{M}_{267}(0,4,2_1)$	1
$\mathfrak{M}_{267}(0,2,2_1)$	2		$\mathfrak{M}_{267}(0,2,0:1)$	2
$\mathfrak{M}_{267}(0,2,0:2)$	D_8		$\mathfrak{M}_{267}(0,6,0)$	D_8
$\mathfrak{M}_{267}(0,4,2_2)$	2		$\mathfrak{M}_{267}(1,2,0)$	1
$\mathfrak{M}_{267}(1,4,2_2)$	1		$\mathfrak{M}_{267}(1,4,0)$	1
$\mathfrak{M}_{267}(1,4,2_1)$	2		$\mathfrak{M}_{267}(1,2,2_1)$	2
$\mathfrak{M}_{267}(1,6,2_1)$	D_{10}		$\mathfrak{M}_{267}(2,4,1)$	2
$\mathfrak{M}_{267}(2,2,0)$	2^2		$\mathfrak{M}_{267}(2,4,2_1)$	4
$\mathfrak{M}_{267}(2,4,2_2)$	D_8			
$\mathfrak{M}_{268}(0,3,2)$	1		$\mathfrak{M}_{268}(0,3,0)$	1
$\mathfrak{M}_{268}(0,5,1_1)$	2		$\mathfrak{M}_{268}(0,1,1_1)$	2
$\mathfrak{M}_{268}(0,1,2)$	2		$\mathfrak{M}_{268}(0,5,0:1)$	2
$\mathfrak{M}_{268}(0,5,0:2)$	2^2		$\mathfrak{M}_{268}(0,3,1_1)$	2
$\mathfrak{M}_{268}(0,5,2)$	2^2		$\mathfrak{M}_{268}(0,1,0)$	2^2
$\mathfrak{M}_{268}(1,3,0:1)$	1		$\mathfrak{M}_{268}(1,3,0:2)$	2
$\mathfrak{M}_{268}(1,3,2:1)$	1		$\mathfrak{M}_{268}(1,3,2:2)$	2
$\mathfrak{M}_{268}(1,5,2)$	2		$\mathfrak{M}_{268}(1,1,0)$	2
$\mathfrak{M}_{268}(2,3,1_1)$	2		$\mathfrak{M}_{268}(2,3,0)$	2^2

$\mathfrak{M}_{268}(2,3,2)$	2^2		$\mathfrak{M}_{268}(2,3,1_2)$	2^2
$\mathfrak{M}_{268}(2,5,2)$	S_3		$\mathfrak{M}_{268}(2,1,0)$	S_3
$\mathfrak{M}_{277}(4,4,8_2)$	1		$\mathfrak{M}_{277}(2,2,8_1:1)$	1
$\mathfrak{M}_{277}(2,2,8_1:2)$	2		$\mathfrak{M}_{277}(4,2,8_1:1)$	1
$\mathfrak{M}_{277}(4,2,8_1:2)$	2		$\mathfrak{M}_{277}(4,4,8_1)$	1
$\mathfrak{M}_{277}(2,4,4)$	1		$\mathfrak{M}_{277}(4,4,6)$	1
$\mathfrak{M}_{277}(4,4,4)$	1		$\mathfrak{M}_{277}(4,6,8_1)$	2
$\mathfrak{M}_{277}(2,2,8_1)$	2		$\mathfrak{M}_{277}(2,2,4)$	2^2
$\mathfrak{M}_{277}(2,6,4)$	D_8			
$\mathfrak{M}_{278}(4,1,4:1)$	1		$\mathfrak{M}_{278}(4,1,4:2)$	2
$\mathfrak{M}_{278}(4,3,4)$	1		$\mathfrak{M}_{278}(4,1,6_2)$	1
$\mathfrak{M}_{278}(4,3,6_2)$	1		$\mathfrak{M}_{278}(4,3,6_1)$	1
$\mathfrak{M}_{278}(4,3,8:1)$	1		$\mathfrak{M}_{278}(4,3,8:2)$	2
$\mathfrak{M}_{278}(4,5,6_2)$	1		$\mathfrak{M}_{278}(4,5,8:1)$	1
$\mathfrak{M}_{278}(4,5,8:2)$	2		$\mathfrak{M}_{278}(4,1,8)$	2
$\mathfrak{M}_{278}(4,1,6_1)$	2		$\mathfrak{M}_{278}(4,5,4)$	2
$\mathfrak{M}_{278}(4,5,6_1)$	2		$\mathfrak{M}_{278}(4,3,4)$	2
$\mathfrak{M}_{288}(3,5,5_1)$	1		$\mathfrak{M}_{288}(3,3,5_1)$	1
$\mathfrak{M}_{288}(5,1,5_1)$	1		$\mathfrak{M}_{288}(3,3,3)$	1
$\mathfrak{M}_{288}(1,3,5_1)$	1		$\mathfrak{M}_{288}(3,3,5_2)$	1
$\mathfrak{M}_{288}(3,3,7_1)$	1		$\mathfrak{M}_{288}(3,5,7_1:1)$	1
$\mathfrak{M}_{288}(3,5,7_1:2)$	2		$\mathfrak{M}_{288}(3,3,7_2)$	1
$\mathfrak{M}_{288}(3,5,7_2)$	2		$\mathfrak{M}_{288}(5,5,7_1)$	2
$\mathfrak{M}_{288}(1,3,7_1:1)$	1		$\mathfrak{M}_{288}(1,3,7_1:2)$	2
$\mathfrak{M}_{288}(1,3,5_2)$	2		$\mathfrak{M}_{288}(5,3,5_2)$	2
$\mathfrak{M}_{288}(3,5,3)$	2		$\mathfrak{M}_{288}(3,1,3)$	2
$\mathfrak{M}_{288}(1,3,7_2)$	2		$\mathfrak{M}_{288}(5,5,7_2)$	3
$\mathfrak{M}_{288}(1,1,7_2)$	3		$\mathfrak{M}_{288}(1,5,3)$	2^2
***********	****		***********	****
$\mathfrak{M}_{333}(1,1,3:1)$	1		$\mathfrak{M}_{333}(1,1,3:2)$	S_3
$\mathfrak{M}_{333}(1,1,1)$	2		$\mathfrak{M}_{333}(3,1,3)$	2
$\mathfrak{M}_{333}(3,3,3:1)$	1		$\mathfrak{M}_{333}(3,3,3:2)$	2
$\mathfrak{M}_{334}(3,2,2:1)$	1		$\mathfrak{M}_{334}(3,2,2:2)$	2
$\mathfrak{M}_{334}(1,2,2:1)$	1		$\mathfrak{M}_{334}(1,2,2:2)$	2
$\mathfrak{M}_{334}(3,2,4)$	2		$\mathfrak{M}_{334}(1,2,4:1)$	2
$\mathfrak{M}_{334}(1,2,4:2)$	4		$\mathfrak{M}_{334}(3,2,0)$	2
$\mathfrak{M}_{334}(1,2,0)$	4		$\mathfrak{M}_{334}(3,4,4:1)$	2^2
$\mathfrak{M}_{334}(3,4,4:2)$	S_3		$\mathfrak{M}_{334}(1,4,0)$	S_3
$\mathfrak{M}_{334}(3,0,0)$	A_4		$\mathfrak{M}_{334}(1,4,4)$	$3^2 2$

$\mathfrak{M}_{335}(1,2,2)$	1		$\mathfrak{M}_{335}(1,2,4:1)$	1
$\mathfrak{M}_{335}(1,2,4,:2)$	2		$\mathfrak{M}_{335}(3,4,2:1)$	1
$\mathfrak{M}_{335}(3,4,2:2)$	2		$\mathfrak{M}_{335}(3,4,4:1)$	1
$\mathfrak{M}_{335}(3,4,4:2)$	2		$\mathfrak{M}_{335}(3,0,2)$	2
$\mathfrak{M}_{335}(1,4,4)$	2			
$\mathfrak{M}_{335}(1,2,0)$	S_3		$\mathfrak{M}_{335}(3,2,2)$	1
$\mathfrak{M}_{335}(1,0,4)$	4			
$\mathfrak{M}_{336}(3,0,1:1)$	1		$\mathfrak{M}_{336}(3,0,1:2)$	2
$\mathfrak{M}_{336}(1,1,0:1)$	1		$\mathfrak{M}_{336}(1,1,0:2)$	2
$\mathfrak{M}_{336}(1,0,0)$	2		$\mathfrak{M}_{336}(3,0,0)$	1
$\mathfrak{M}_{336}(3,2,1)$	2		$\mathfrak{M}_{336}(3,2,0)$	2^2
$\mathfrak{M}_{336}(1,2,0:1)$	4		$\mathfrak{M}_{336}(1,2,0:2)$	S_3
$\mathfrak{M}_{336}(3,2,2)$	D_8			
$\mathfrak{M}_{337}(3,4,2:1)$	1		$\mathfrak{M}_{337}(3,4,2:2)$	2
$\mathfrak{M}_{337}(3,6,4:1)$	1		$\mathfrak{M}_{337}(3,6,4:2)$	2
$\mathfrak{M}_{337}(3,2,2:1)$	1		$\mathfrak{M}_{337}(3,2,2:2)$	2
$\mathfrak{M}_{337}(1,4,2:1)$	1		$\mathfrak{M}_{337}(1,4,2:2)$	2
$\mathfrak{M}_{337}(1,6,2)$	2		$\mathfrak{M}_{337}(3,6,6)$	2
$\mathfrak{M}_{337}(1,6,4)$	1		$\mathfrak{M}_{337}(3,6,2)$	4
$\mathfrak{M}_{337}(1,2,2)$	4			
$\mathfrak{M}_{338}(3,2,4:1)$	1		$\mathfrak{M}_{338}(3,2,4:2)$	2
$\mathfrak{M}_{338}(1,4,4)$	1		$\mathfrak{M}_{338}(3,4,4)$	1
$\mathfrak{M}_{338}(3,2,2:1)$	1		$\mathfrak{M}_{338}(3,2,2:2)$	2
$\mathfrak{M}_{338}(1,2,4:1)$	1		$\mathfrak{M}_{338}(1,2,4:2)$	2
$\mathfrak{M}_{338}(1,2,2)$	2		$\mathfrak{M}_{338}(1,6,4)$	2
$\mathfrak{M}_{338}(3,4,6)$	2		$\mathfrak{M}_{338}(1,2,6)$	2
$\mathfrak{M}_{338}(3,6,2)$	2^2		$\mathfrak{M}_{338}(3,6,6)$	S_3
$\mathfrak{M}_{345}(2,2,2)$	1		$\mathfrak{M}_{345}(2,2,4:1)$	1
$\mathfrak{M}_{345}(2,2,4:2)$	2		$\mathfrak{M}_{345}(2,4,4:1)$	1
$\mathfrak{M}_{345}(2,4,4:2)$	2		$\mathfrak{M}_{345}(4,2,2)$	1
$\mathfrak{M}_{345}(4,4,4)$	2		$\mathfrak{M}_{345}(0,4,2)$	2
$\mathfrak{M}_{345}(0,2,2)$	2		$\mathfrak{M}_{345}(4,2,4)$	2
$\mathfrak{M}_{345}(2,4,0)$	4		$\mathfrak{M}_{345}(4,0,2)$	S_3
$\mathfrak{M}_{345}(0,0,4)$	A_4		$\mathfrak{M}_{345}(4,0,0)$	S_4
$\mathfrak{M}_{346}(4,0,0)$	2		$\mathfrak{M}_{346}(4,1,2)$	S_3
$\mathfrak{M}_{346}(4,2,2)$	D_{12}		$\mathfrak{M}_{346}(0,0,1)$	2
$\mathfrak{M}_{346}(0,0,0)$	S_3		$\mathfrak{M}_{346}(0,2,0)$	D_8
$\mathfrak{M}_{346}(2,0,0:1)$	1		$\mathfrak{M}_{346}(2,0,0:2)$	2

$\mathfrak{M}_{346}(2,1,0:1)$	1		$\mathfrak{M}_{346}(2,1,0:2)$	2
$\mathfrak{M}_{346}(2,2,1)$	2		$\mathfrak{M}_{346}(2,2,0)$	2
$\mathfrak{M}_{347}(4,2,4)$	2		$\mathfrak{M}_{347}(4,6,4)$	2
$\mathfrak{M}_{347}(4,2,2:1)$	2		$\mathfrak{M}_{347}(4,2,2:2)$	4
$\mathfrak{M}_{347}(4,6,6)$	4		$\mathfrak{M}_{347}(0,2,4)$	2
$\mathfrak{M}_{347}(0,2,6)$	4		$\mathfrak{M}_{347}(2,6,4:1)$	1
$\mathfrak{M}_{347}(2,6,4:2)$	2		$\mathfrak{M}_{347}(2,2,4:1)$	1
$\mathfrak{M}_{347}(2,2,4:2)$	2		$\mathfrak{M}_{347}(2,2,2)$	1
$\mathfrak{M}_{347}(2,6,2)$	2		$\mathfrak{M}_{347}(2,6,6)$	4
$\mathfrak{M}_{348}(4,4,5:1)$	1		$\mathfrak{M}_{348}(4,4,5:2)$	2
$\mathfrak{M}_{348}(4,2,3:1)$	1		$\mathfrak{M}_{348}(4,2,3:2)$	2
$\mathfrak{M}_{348}(4,4,3:1)$	1		$\mathfrak{M}_{348}(4,4,3:2)$	2
$\mathfrak{M}_{348}(4,2,5)$	2^2		$\mathfrak{M}_{348}(4,6,5:1)$	2^2
$\mathfrak{M}_{348}(4,6,5:2)$	S_3		$\mathfrak{M}_{348}(4,2,1:1)$	2^2
$\mathfrak{M}_{348}(4,2,1:2)$	S_3		$\mathfrak{M}_{348}(0,4,3)$	1
$\mathfrak{M}_{348}(0,2,3)$	2		$\mathfrak{M}_{348}(0,2,5:1)$	2
$\mathfrak{M}_{348}(0,2,5:2)$	2^2		$\mathfrak{M}_{348}(0,4,5)$	2
$\mathfrak{M}_{348}(0,6,1)$	A_4		$\mathfrak{M}_{348}(2,4,5:1)$	1
$\mathfrak{M}_{348}(2,4,5:2)$	2		$\mathfrak{M}_{348}(2,4,3:1)$	1
$\mathfrak{M}_{348}(2,4,3:2)$	2		$\mathfrak{M}_{348}(2,6,3:1)$	1
$\mathfrak{M}_{348}(2,6,3:2)$	2		$\mathfrak{M}_{348}(2,2,3:1)$	1
$\mathfrak{M}_{348}(2,2,3:2)$	2		$\mathfrak{M}_{348}(2,4,1:1)$	1
$\mathfrak{M}_{348}(2,4,1:2)$	2		$\mathfrak{M}_{348}(2,2,1)$	2
$\mathfrak{M}_{348}(2,6,5)$	2			
$\mathfrak{M}_{355}(4,4,4_1)$	1		$\mathfrak{M}_{355}(2,2,4_1:1)$	1
$\mathfrak{M}_{355}(2,2,4_1:2)$	2		$\mathfrak{M}_{355}(2,2,4_2)$	1
$\mathfrak{M}_{355}(2,4,4_1)$	1		$\mathfrak{M}_{355}(2,2,2:1)$	1
$\mathfrak{M}_{355}(2,2,2:2)$	2		$\mathfrak{M}_{355}(2,4,2)$	1
$\mathfrak{M}_{355}(2,4,4_2)$	2		$\mathfrak{M}_{355}(0,2,2)$	2
$\mathfrak{M}_{355}(0,2,4_1)$	2		$\mathfrak{M}_{355}(0,4,2)$	2
$\mathfrak{M}_{355}(4,4,2)$	2		$\mathfrak{M}_{355}(4,4,4_2)$	2
$\mathfrak{M}_{355}(0,2,4_2)$	2^2		$\mathfrak{M}_{355}(4,2,0)$	2^2
$\mathfrak{M}_{356}(4,1,0_2)$	1		$\mathfrak{M}_{356}(4,0,0_2)$	1
$\mathfrak{M}_{356}(4,0,1)$	1		$\mathfrak{M}_{356}(4,2,1)$	1
$\mathfrak{M}_{356}(4,1,2)$	2		$\mathfrak{M}_{356}(4,0,2)$	2^2
$\mathfrak{M}_{356}(4,2,2)$	2^2		$\mathfrak{M}_{356}(4,0,0_1)$	S_3
$\mathfrak{M}_{356}(4,2,0_1)$	D_8		$\mathfrak{M}_{356}(2,0,1)$	1
$\mathfrak{M}_{356}(2,0,0_2:1)$	1		$\mathfrak{M}_{356}(2,0,0_2:2)$	2

$\mathfrak{M}_{356}(2,1,0_2)$	1		$\mathfrak{M}_{356}(2,1,2)$	2
$\mathfrak{M}_{356}(2,1,0_1:1)$	2		$\mathfrak{M}_{356}(2,1,0_1:2)$	2^2
$\mathfrak{M}_{356}(2,0,2)$	2		$\mathfrak{M}_{356}(2,2,0_2)$	2
$\mathfrak{M}_{356}(2,2,1)$	2		$\mathfrak{M}_{356}(2,0,0_1)$	2^2
$\mathfrak{M}_{356}(0,0,1)$	3		$\mathfrak{M}_{356}(0,0,2)$	S_3
$\mathfrak{M}_{356}(0,2,0_2)$	D_8			
$\mathfrak{M}_{357}(2,2,6:1)$	1		$\mathfrak{M}_{357}(2,2,6:2)$	2
$\mathfrak{M}_{357}(2,6,4_2)$	1		$\mathfrak{M}_{357}(2,2,2)$	2
$\mathfrak{M}_{357}(2,2,4_1)$	2		$\mathfrak{M}_{357}(2,6,6)$	2
$\mathfrak{M}_{357}(2,6,2)$	2		$\mathfrak{M}_{357}(2,6,4_1)$	2
$\mathfrak{M}_{357}(4,2,4_2)$	1		$\mathfrak{M}_{357}(4,6,4_2)$	1
$\mathfrak{M}_{357}(4,2,2)$	2		$\mathfrak{M}_{357}(4,2,4_1)$	2
$\mathfrak{M}_{357}(4,2,6)$	2		$\mathfrak{M}_{357}(4,6,6)$	2
$\mathfrak{M}_{357}(0,4,4_2)$	1		$\mathfrak{M}_{357}(0,2,6)$	2
$\mathfrak{M}_{357}(0,6,2)$	S_3			
$\mathfrak{M}_{358}(2,4,6)$	1		$\mathfrak{M}_{358}(2,4,2)$	1
$\mathfrak{M}_{358}(2,6,4_1)$	1		$\mathfrak{M}_{358}(2,2,4_1)$	1
$\mathfrak{M}_{358}(2,2,4_2)$	1		$\mathfrak{M}_{358}(2,4,4_1)$	1
$\mathfrak{M}_{358}(2,4,4_2)$	1		$\mathfrak{M}_{358}(2,2,2)$	1
$\mathfrak{M}_{358}(2,2,6)$	1		$\mathfrak{M}_{358}(2,6,4_2)$	2
$\mathfrak{M}_{358}(2,6,2)$	2		$\mathfrak{M}_{358}(2,2,6)$	2
$\mathfrak{M}_{358}(4,4,6)$	1		$\mathfrak{M}_{358}(4,2,4_1)$	1
$\mathfrak{M}_{358}(4,2,4_2:1)$	1		$\mathfrak{M}_{358}(4,2,4_2:2)$	2
$\mathfrak{M}_{358}(4,4,4_2)$	1		$\mathfrak{M}_{358}(4,2,2:1)$	1
$\mathfrak{M}_{358}(4,2,2:2)$	2		$\mathfrak{M}_{358}(4,4,2:1)$	1
$\mathfrak{M}_{358}(4,4,2:2)$	2		$\mathfrak{M}_{358}(4,4,4_1)$	1
$\mathfrak{M}_{358}(4,6,6)$	2		$\mathfrak{M}_{358}(4,4,6)$	2
$\mathfrak{M}_{358}(4,2,6)$	2		$\mathfrak{M}_{358}(4,6,4_2)$	3
$\mathfrak{M}_{358}(0,4,4_1)$	1		$\mathfrak{M}_{358}(0,2,4_1)$	2
$\mathfrak{M}_{358}(0,2,6)$	2		$\mathfrak{M}_{358}(0,4,2)$	2
$\mathfrak{M}_{358}(0,2,4_2)$	2^2		$\mathfrak{M}_{358}(0,6,2)$	S_3
$\mathfrak{M}_{366}(1,1,0_1)$	1		$\mathfrak{M}_{366}(1,0,0_1:1)$	1
$\mathfrak{M}_{366}(1,0,0_1:2)$	2		$\mathfrak{M}_{366}(0,0,0_1:1)$	1
$\mathfrak{M}_{366}(0,0,0_1:2)$	2		$\mathfrak{M}_{366}(0,0,1)$	1
$\mathfrak{M}_{366}(1,2,0_1)$	2		$\mathfrak{M}_{366}(2,0,0_1)$	2
$\mathfrak{M}_{366}(0,0,0_2)$	2		$\mathfrak{M}_{366}(0,1,0_2)$	2
$\mathfrak{M}_{366}(2,1,0_2)$	D_8		$\mathfrak{M}_{366}(2,2,1)$	A_4
$\mathfrak{M}_{367}(1,4,0)$	1		$\mathfrak{M}_{367}(1,2,0:1)$	1

$\mathfrak{M}_{367}(1,2,0:2)$	4		$\mathfrak{M}_{367}(1,4,2_1:1)$	1
$\mathfrak{M}_{367}(1,4,2_1:2)$	2		$\mathfrak{M}_{367}(1,6,2_2)$	2
$\mathfrak{M}_{367}(1,2,2_1)$	2		$\mathfrak{M}_{367}(1,6,2_1)$	2
$\mathfrak{M}_{367}(1,2,2_2)$	2		$\mathfrak{M}_{367}(0,4,0:1)$	1
$\mathfrak{M}_{367}(0,4,0:2)$	1		$\mathfrak{M}_{367}(0,2,1:1)$	1
$\mathfrak{M}_{367}(0,2,1:2)$	2		$\mathfrak{M}_{367}(0,6,0)$	2
$\mathfrak{M}_{367}(0,2,0)$	2		$\mathfrak{M}_{367}(0,2,2_1)$	1
$\mathfrak{M}_{367}(0,6,1)$	1		$\mathfrak{M}_{367}(0,2,2_2)$	2
$\mathfrak{M}_{367}(0,6,2_1)$	4		$\mathfrak{M}_{367}(2,4,0)$	2
$\mathfrak{M}_{367}(2,4,2_1)$	2		$\mathfrak{M}_{367}(2,2,1)$	2
$\mathfrak{M}_{367}(2,2,0)$	2		$\mathfrak{M}_{367}(2,6,2_1)$	4
$\mathfrak{M}_{367}(2,6,2_2)$	S_3			
$\mathfrak{M}_{368}(0,4,2:1)$	1		$\mathfrak{M}_{368}(0,4,2:2)$	2
$\mathfrak{M}_{368}(0,2,1_1)$	1		$\mathfrak{M}_{368}(0,4,1_2)$	1
$\mathfrak{M}_{368}(0,4,0:1)$	1		$\mathfrak{M}_{368}(0,4,0:2)$	2
$\mathfrak{M}_{368}(0,2,1_2)$	1		$\mathfrak{M}_{368}(0,2,2:1)$	1
$\mathfrak{M}_{368}(0,2,2:2)$	2		$\mathfrak{M}_{368}(0,2,2:3)$	2^2
$\mathfrak{M}_{368}(0,6,1_1)$	2		$\mathfrak{M}_{368}(0,2,0:1)$	2
$\mathfrak{M}_{368}(0,2,0:2)$	2^2		$\mathfrak{M}_{368}(0,6,0)$	2
$\mathfrak{M}_{368}(1,2,0:1)$	1		$\mathfrak{M}_{368}(1,2,0:2)$	2
$\mathfrak{M}_{368}(1,2,2)$	1		$\mathfrak{M}_{368}(1,4,0:1)$	1
$\mathfrak{M}_{368}(1,4,0:2)$	2		$\mathfrak{M}_{368}(1,6,2)$	2
$\mathfrak{M}_{368}(2,4,1_2)$	1		$\mathfrak{M}_{368}(2,4,0)$	2
$\mathfrak{M}_{368}(2,4,2)$	2		$\mathfrak{M}_{368}(2,2,0:1)$	2
$\mathfrak{M}_{368}(2,2,0:2)$	2^2		$\mathfrak{M}_{368}(2,2,1_1)$	2
$\mathfrak{M}_{368}(2,2,1_2)$	3		$\mathfrak{M}_{368}(2,6,2)$	2^2
$\mathfrak{M}_{377}(6,2,6)$	1		$\mathfrak{M}_{377}(2,2,6)$	1
$\mathfrak{M}_{377}(2,2,8_1)$	1		$\mathfrak{M}_{377}(2,4,4:1)$	1
$\mathfrak{M}_{377}(2,4,4:2)$	2		$\mathfrak{M}_{377}(2,2,8_2)$	2
$\mathfrak{M}_{377}(2,6,4)$	4		$\mathfrak{M}_{377}(4,6,8_1)$	1
$\mathfrak{M}_{377}(4,2,8_1)$	1		$\mathfrak{M}_{377}(6,2,4)$	2
$\mathfrak{M}_{377}(4,6,4)$	2		$\mathfrak{M}_{377}(6,6,8_2)$	S_3
$\mathfrak{M}_{377}(6,6,8_1)$	1			
$\mathfrak{M}_{378}(6,4,8:1)$	1		$\mathfrak{M}_{378}(6,4,8:2)$	2
$\mathfrak{M}_{378}(6,2,6_2)$	1		$\mathfrak{M}_{378}(6,4,4)$	1
$\mathfrak{M}_{378}(6,2,4:1)$	1		$\mathfrak{M}_{378}(6,2,4:2)$	2
$\mathfrak{M}_{378}(6,2,6_1)$	2		$\mathfrak{M}_{378}(6,6,8)$	2
$\mathfrak{M}_{378}(2,2,8:1)$	1		$\mathfrak{M}_{378}(2,2,8:2)$	2

$\mathfrak{M}_{378}(2,2,4:1)$	1		$\mathfrak{M}_{378}(2,2,4:2)$	2
$\mathfrak{M}_{378}(2,4,6_1)$	1		$\mathfrak{M}_{378}(2,2,6_2)$	1
$\mathfrak{M}_{378}(2,4,8:1)$	1		$\mathfrak{M}_{378}(2,4,8:2)$	2
$\mathfrak{M}_{378}(2,4,4)$	1		$\mathfrak{M}_{378}(2,6,6_2)$	1
$\mathfrak{M}_{378}(2,2,6_1)$	2		$\mathfrak{M}_{378}(2,6,4)$	2
$\mathfrak{M}_{388}(2,4,3)$	1		$\mathfrak{M}_{388}(4,4,3)$	1
$\mathfrak{M}_{388}(4,4,5_2)$	1		$\mathfrak{M}_{388}(4,6,5_1)$	1
$\mathfrak{M}_{388}(4,2,5_1)$	1		$\mathfrak{M}_{388}(6,4,7_1)$	1
$\mathfrak{M}_{388}(2,2,7_1)$	1		$\mathfrak{M}_{388}(2,2,7_2:1)$	1
$\mathfrak{M}_{388}(2,2,7_2:2)$	2		$\mathfrak{M}_{388}(2,4,7_2)$	1
$\mathfrak{M}_{388}(4,4,7_2)$	1		$\mathfrak{M}_{388}(4,4,7_1)$	1
$\mathfrak{M}_{388}(2,4,3)$	1		$\mathfrak{M}_{388}(2,4,5_2:1)$	1
$\mathfrak{M}_{388}(2,4,5_2:2)$	2		$\mathfrak{M}_{388}(2,2,5_1)$	1
$\mathfrak{M}_{388}(2,6,5_1)$	1		$\mathfrak{M}_{388}(2,6,3:1)$	2
$\mathfrak{M}_{388}(2,6,3:2)$	2^2		$\mathfrak{M}_{388}(6,6,7_1)$	2
$\mathfrak{M}_{388}(6,4,7_2)$	2		$\mathfrak{M}_{388}(2,6,5_2)$	2
* * * * * * * * * * *	* * **		* * * * * * * * * * *	* * **
$\mathfrak{M}_{555}(2,2,2)$	1		$\mathfrak{M}_{555}(4_1,2,2)$	1
$\mathfrak{M}_{555}(4_2,2,2)$	1		$\mathfrak{M}_{555}(4_2,4_1,4_1)$	1
$\mathfrak{M}_{555}(4_2,4_1,4_2)$	2			
$\mathfrak{M}_{556}(4_2,1,0_2)$	1		$\mathfrak{M}_{556}(2,1,2)$	1
$\mathfrak{M}_{556}(4_1,0_2,0_2:1)$	1		$\mathfrak{M}_{556}(4_1,0_2,0_2:2)$	2
$\mathfrak{M}_{556}(4_1,1,0_2)$	1		$\mathfrak{M}_{556}(4_1,2,1)$	1
$\mathfrak{M}_{556}(2,0_2,0_2)$	1		$\mathfrak{M}_{556}(4_1,2,0_2)$	2
$\mathfrak{M}_{556}(4_1,2,2)$	2		$\mathfrak{M}_{556}(4_2,1,2)$	2
$\mathfrak{M}_{556}(2,0_1,1)$	2		$\mathfrak{M}_{556}(2,0_2,2)$	2
$\mathfrak{M}_{556}(4_1,0_1,1)$	3		$\mathfrak{M}_{556}(0,2,0_2)$	2^3
$\mathfrak{M}_{556}(4_2,2,2)$	$2^4 2$		$\mathfrak{M}_{556}(0,0_1,0_1)$	$2^4 2^2$
$\mathfrak{M}_{557}(4_1,4_2,6)$	1		$\mathfrak{M}_{557}(4_1,4_2,2)$	1
$\mathfrak{M}_{557}(4_2,2,4_2)$	1		$\mathfrak{M}_{557}(4_2,6,4_2)$	1
$\mathfrak{M}_{558}(2,2,4_1)$	1		$\mathfrak{M}_{558}(2,6,4_1)$	1
$\mathfrak{M}_{558}(2,4_2,2)$	1		$\mathfrak{M}_{558}(2,4_2,6)$	1
$\mathfrak{M}_{558}(4_2,4_1,2)$	1		$\mathfrak{M}_{558}(4_2,6,4_1)$	1
$\mathfrak{M}_{558}(4_1,6,6:1)$	1		$\mathfrak{M}_{558}(4_1,6,6:2)$	2
$\mathfrak{M}_{558}(4_1,4_2,6)$	1		$\mathfrak{M}_{558}(4_1,2,2:1)$	1
$\mathfrak{M}_{558}(4_1,2,2:2)$	2		$\mathfrak{M}_{558}(4_1,4_2,4_1)$	1
$\mathfrak{M}_{558}(2,6,2:1)$	1		$\mathfrak{M}_{558}(2,6,2:2)$	2
$\mathfrak{M}_{558}(4_1,6,4_1)$	1		$\mathfrak{M}_{558}(4_1,2,4_2)$	1
$\mathfrak{M}_{558}(4_1,2,4_1)$	1		$\mathfrak{M}_{558}(4_2,4_2,4_2)$	1

$\mathfrak{M}_{558}(2,6,6)$	2		$\mathfrak{M}_{558}(4_1,6,2)$	2
$\mathfrak{M}_{558}(4_2,6,6)$	2		$\mathfrak{M}_{558}(4_2,2,2)$	2
$\mathfrak{M}_{558}(0,6,2)$	2^2		$\mathfrak{M}_{558}(4_1,4_2,4_2)$	2
$\mathfrak{M}_{558}(0,4_2,4_2)$	3		$\mathfrak{M}_{558}(4_2,2,6)$	2^2
$\mathfrak{M}_{566}(1,0_2,0_1)$	1		$\mathfrak{M}_{566}(2,1,0_1)$	1
$\mathfrak{M}_{566}(1,1,0_1)$	1		$\mathfrak{M}_{566}(0_1,1,0_1)$	2
$\mathfrak{M}_{566}(2,0_2,0_1)$	2		$\mathfrak{M}_{566}(2,2,1)$	2^2
$\mathfrak{M}_{566}(0_1,0_2,0_1)$	2^2		$\mathfrak{M}_{566}(2,2,0_1)$	2^2
$\mathfrak{M}_{566}(0_1,0_1,0_2)$	$2^3 2^2$		$\mathfrak{M}_{566}(0_1,2,0_2)$	$2^3 2$
$\mathfrak{M}_{567}(0_1,6,0)$	2^2		$\mathfrak{M}_{567}(0_1,4_1,0)$	D_8
$\mathfrak{M}_{567}(0_2,6,0)$	1		$\mathfrak{M}_{567}(0_2,4_2,0)$	1
$\mathfrak{M}_{567}(0_2,4_2,2_2)$	1		$\mathfrak{M}_{567}(0_2,4_2,2_1)$	1
$\mathfrak{M}_{567}(0_2,4_1,0)$	2		$\mathfrak{M}_{567}(0_2,4_1,2_1)$	2
$\mathfrak{M}_{567}(0_2,2,2_1)$	2		$\mathfrak{M}_{567}(0_2,6,2_1)$	2
$\mathfrak{M}_{567}(1,2,0)$	1		$\mathfrak{M}_{567}(1,4_1,0)$	1
$\mathfrak{M}_{567}(1,6,2_1)$	1		$\mathfrak{M}_{567}(1,4_2,0)$	1
$\mathfrak{M}_{567}(1,4_2,2_2)$	1		$\mathfrak{M}_{567}(1,4_2,2_1)$	1
$\mathfrak{M}_{567}(1,6,0)$	1		$\mathfrak{M}_{567}(1,2,2_1)$	2
$\mathfrak{M}_{567}(1,4_1,2_1)$	2		$\mathfrak{M}_{567}(2,4_2,1)$	1
$\mathfrak{M}_{567}(2,4_2,2_1)$	1		$\mathfrak{M}_{567}(2,4_2,0:1)$	1
$\mathfrak{M}_{567}(2,4_2,0:2)$	2		$\mathfrak{M}_{567}(2,6,2_1)$	2
$\mathfrak{M}_{567}(2,4_2,2_2)$	2		$\mathfrak{M}_{567}(2,2,0)$	2
$\mathfrak{M}_{567}(2,4_1,0)$	2^2			
$\mathfrak{M}_{568}(0_1,4,0)$	2		$\mathfrak{M}_{568}(0_1,4,2)$	2
$\mathfrak{M}_{568}(0_1,4,1)$	2		$\mathfrak{M}_{568}(0_1,6,1)$	2^2
$\mathfrak{M}_{568}(0_1,6,0)$	2^2		$\mathfrak{M}_{568}(0_1,2,2)$	2^2
$\mathfrak{M}_{568}(0_2,2,1_2:1)$	1		$\mathfrak{M}_{568}(0_2,2,1_2:2)$	2
$\mathfrak{M}_{568}(0_2,2,2)$	1		$\mathfrak{M}_{568}(0_2,4_1,1_1)$	1
$\mathfrak{M}_{568}(0_2,6,0)$	1		$\mathfrak{M}_{568}(0_2,4_2,0:1)$	1
$\mathfrak{M}_{568}(0_2,4_2,0:2)$	2		$\mathfrak{M}_{568}(0_2,4_2,1_1)$	1
$\mathfrak{M}_{568}(0_2,4_2,1_2)$	1		$\mathfrak{M}_{568}(0_2,4_2,2:1)$	1
$\mathfrak{M}_{568}(0_2,4_2,2:2)$	2		$\mathfrak{M}_{568}(0_2,6,2)$	2
$\mathfrak{M}_{568}(0_2,6,1_1)$	2		$\mathfrak{M}_{568}(0_2,6,1_2)$	2
$\mathfrak{M}_{568}(0_2,2,1_1)$	2		$\mathfrak{M}_{568}(0_2,2,0)$	2
$\mathfrak{M}_{568}(1,4_1,0)$	1		$\mathfrak{M}_{568}(1,4_1,2)$	1
$\mathfrak{M}_{568}(1,6,2)$	1		$\mathfrak{M}_{568}(1,2,2)$	1
$\mathfrak{M}_{568}(1,6,0:1)$	1		$\mathfrak{M}_{568}(1,6,0:2)$	2

$\mathfrak{M}_{568}(1,4_2,2)$	1		$\mathfrak{M}_{568}(1,2,0)$	2
$\mathfrak{M}_{568}(1,2,2)$	2		$\mathfrak{M}_{568}(1,4_2,0)$	1
$\mathfrak{M}_{568}(1,6,2)$	2		$\mathfrak{M}_{568}(2,4_2,1_1)$	1
$\mathfrak{M}_{568}(2,4_1,0)$	1		$\mathfrak{M}_{568}(2,4_1,1_2)$	1
$\mathfrak{M}_{568}(2,4_1,2)$	1		$\mathfrak{M}_{568}(2,4_2,0)$	2
$\mathfrak{M}_{568}(2,4_2,2)$	2		$\mathfrak{M}_{568}(2,6,1_1)$	2
$\mathfrak{M}_{568}(2,2,1_1)$	2		$\mathfrak{M}_{568}(2,2,0)$	2
$\mathfrak{M}_{568}(2,6,1_2)$	2		$\mathfrak{M}_{568}(2,6,2)$	2
$\mathfrak{M}_{577}(4_2,4_2,8_2)$	1		$\mathfrak{M}_{577}(6,4_2,8_1)$	1
$\mathfrak{M}_{577}(2,6,4)$	1		$\mathfrak{M}_{577}(4_1,4_2,4)$	1
$\mathfrak{M}_{577}(4_2,6,4)$	1		$\mathfrak{M}_{577}(2,2,8_1:1)$	1
$\mathfrak{M}_{577}(2,2,8_1:2)$	2		$\mathfrak{M}_{577}(4_2,4_2,8_1)$	1
$\mathfrak{M}_{577}(6,6,8_1)$	1		$\mathfrak{M}_{577}(6,4_1,8_1)$	1
$\mathfrak{M}_{577}(6,2,8_1)$	2		$\mathfrak{M}_{577}(4_1,6,4)$	2
$\mathfrak{M}_{577}(2,4_2,4)$	2		$\mathfrak{M}_{577}(2,4_1,8_1)$	2
$\mathfrak{M}_{577}(4_1,4_1,4)$	2^2			
$\mathfrak{M}_{578}(4_2,4_1,8)$	1		$\mathfrak{M}_{578}(4_2,4_2,8)$	1
$\mathfrak{M}_{578}(4_2,6,8)$	1		$\mathfrak{M}_{578}(4_2,2,8)$	1
$\mathfrak{M}_{578}(4_2,4_1,4)$	1		$\mathfrak{M}_{578}(4_2,2,4)$	1
$\mathfrak{M}_{578}(4_2,6,4)$	1		$\mathfrak{M}_{578}(4_2,4_2,6_1)$	1
$\mathfrak{M}_{578}(4_2,4_1,6_1)$	1		$\mathfrak{M}_{578}(4_2,4_2,4)$	1
$\mathfrak{M}_{588}(4_2,4_1,5_2)$	1		$\mathfrak{M}_{588}(6,6,5_1)$	1
$\mathfrak{M}_{588}(4_2,6,5_1)$	1		$\mathfrak{M}_{588}(4_2,4_1,3)$	1
$\mathfrak{M}_{588}(4_2,4_2,3)$	1		$\mathfrak{M}_{588}(4_2,4_1,7_1)$	1
$\mathfrak{M}_{588}(4_2,4_2,7_1)$	1		$\mathfrak{M}_{588}(6,4_1,7_1)$	1
$\mathfrak{M}_{588}(2,2,7_1)$	1		$\mathfrak{M}_{588}(6,6,7_1)$	1
$\mathfrak{M}_{588}(4_1,4_2,7_2)$	1		$\mathfrak{M}_{588}(6,6,7_2)$	1
$\mathfrak{M}_{588}(2,2,7_2)$	1		$\mathfrak{M}_{588}(4_2,4_2,7_2)$	1
$\mathfrak{M}_{588}(4_1,2,7_2)$	1		$\mathfrak{M}_{588}(6,4_1,3)$	1
$\mathfrak{M}_{588}(2,6,3:1)$	1		$\mathfrak{M}_{588}(2,6,3:2)$	2
$\mathfrak{M}_{588}(2,4_1,3)$	1		$\mathfrak{M}_{588}(4_2,2,5_2)$	1
$\mathfrak{M}_{588}(4_2,6,5_2)$	1		$\mathfrak{M}_{588}(2,2,5_1)$	1
$\mathfrak{M}_{588}(2,6,5_1)$	1		$\mathfrak{M}_{588}(2,2,5_2)$	2
$\mathfrak{M}_{588}(6,6,5_2)$	2		$\mathfrak{M}_{588}(4_2,2,3)$	2
$\mathfrak{M}_{588}(4_2,6,3)$	2		$\mathfrak{M}_{588}(2,6,7_1)$	2
$\mathfrak{M}_{588}(4_2,6,7_1)$	2		$\mathfrak{M}_{588}(2,4_2,7_1)$	2
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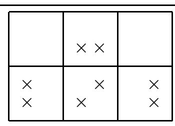
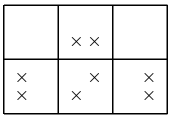
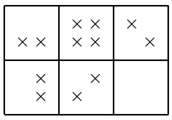
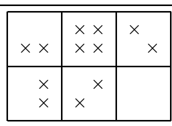
$\mathfrak{M}_{666}(0_1,0_1,0_1)$	1		$\mathfrak{M}_{666}(0_1,0_1,1)$	1

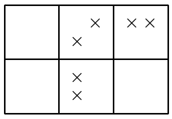
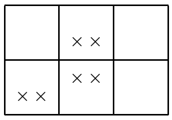
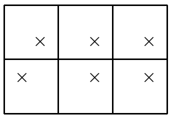
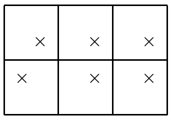
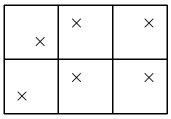
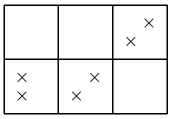
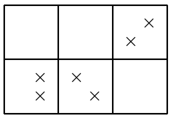
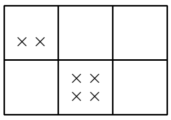
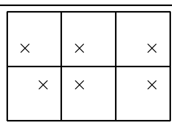
$\mathfrak{M}_{666}(0_1,1,0_2)$	2		$\mathfrak{M}_{666}(0_1,0_2,0_1)$	2
$\mathfrak{M}_{666}(0_1,0_2,0_2)$	2^2		$\mathfrak{M}_{666}(0_2,0_2,0_2)$	2^3
$\mathfrak{M}_{667}(0_2,0,1)$	1		$\mathfrak{M}_{667}(1,0,0)$	1
$\mathfrak{M}_{667}(0_1,0,0:1)$	1		$\mathfrak{M}_{667}(0_1,0,0:2)$	2
$\mathfrak{M}_{667}(0_1,0,1)$	1		$\mathfrak{M}_{667}(0_1,0,2_2:1)$	1
$\mathfrak{M}_{667}(0_1,0,2_2:2)$	2		$\mathfrak{M}_{667}(1,2_2,2_1)$	2
$\mathfrak{M}_{667}(0_1,2_1,0)$	2		$\mathfrak{M}_{667}(0_2,2_1,1)$	2
$\mathfrak{M}_{667}(1,2_1,2_1)$	2		$\mathfrak{M}_{667}(0_1,2_2,2_1)$	2
$\mathfrak{M}_{667}(0_2,0,0)$	2^2			
$\mathfrak{M}_{668}(1,0,0:1)$	1		$\mathfrak{M}_{668}(1,0,0:2)$	2
$\mathfrak{M}_{668}(1,2,2:1)$	1		$\mathfrak{M}_{668}(1,2,2:2)$	2
$\mathfrak{M}_{668}(0_1,1_1,0)$	1		$\mathfrak{M}_{668}(0_1,2,1_2)$	1
$\mathfrak{M}_{668}(0_1,1_2,0)$	1		$\mathfrak{M}_{668}(0_1,1_1,1_1)$	1
$\mathfrak{M}_{668}(0_1,0,0)$	1		$\mathfrak{M}_{668}(0_1,0,2)$	1
$\mathfrak{M}_{668}(0_1,1_2,1_2)$	1		$\mathfrak{M}_{668}(0_1,1,2)$	1
$\mathfrak{M}_{668}(0_1,2,2)$	1		$\mathfrak{M}_{668}(0_2,1_1,1_1)$	2
$\mathfrak{M}_{668}(0_2,0,0)$	2		$\mathfrak{M}_{668}(0_2,1_2,1_2)$	2
$\mathfrak{M}_{668}(0_2,1_1,0)$	2		$\mathfrak{M}_{668}(0_2,1_1,1_2)$	2
$\mathfrak{M}_{668}(0_2,0,2:1)$	2		$\mathfrak{M}_{668}(0_2,0,2:2)$	2^2
$\mathfrak{M}_{668}(0_2,2,2)$	2		$\mathfrak{M}_{668}(0_2,1_1,2)$	2
$\mathfrak{M}_{668}(0_2,1_2,2)$	2^2			
$\mathfrak{M}_{677}(2_2,1,4)$	1		$\mathfrak{M}_{677}(2_1,0,4)$	1
$\mathfrak{M}_{677}(1,0,4)$	1		$\mathfrak{M}_{677}(2_1,0,6)$	1
$\mathfrak{M}_{677}(2_1,2_1,6)$	1		$\mathfrak{M}_{677}(2_1,2_2,8_1)$	1
$\mathfrak{M}_{677}(1,2_2,8_1)$	1		$\mathfrak{M}_{677}(2_1,1,8_1)$	1
$\mathfrak{M}_{677}(2_1,0,8_1)$	1		$\mathfrak{M}_{677}(1,0,8_1)$	1
$\mathfrak{M}_{677}(2_1,2_1,8_1)$	1		$\mathfrak{M}_{677}(0,0,8_1:1)$	1
$\mathfrak{M}_{677}(0,0,8_1:2)$	2		$\mathfrak{M}_{677}(0,0,6)$	1
$\mathfrak{M}_{677}(2_1,2_1,8_2)$	2		$\mathfrak{M}_{677}(2_1,1,4)$	2
$\mathfrak{M}_{677}(2_2,2_2,8_1)$	2		$\mathfrak{M}_{677}(0,0,8_2)$	2
$\mathfrak{M}_{677}(2_2,0,4:1)$	2		$\mathfrak{M}_{677}(2_2,0,4:2)$	2^2
$\mathfrak{M}_{677}(2_1,2_1,4)$	2			
$\mathfrak{M}_{678}(0,1_1,6_1)$	1		$\mathfrak{M}_{678}(0,1_2,6_1:1)$	1
$\mathfrak{M}_{678}(0,1_2,6_1:2)$	2		$\mathfrak{M}_{678}(0,0,8:1)$	1
$\mathfrak{M}_{678}(0,0,8:2)$	2		$\mathfrak{M}_{678}(0,1_1,8)$	1
$\mathfrak{M}_{678}(0,1_1,4)$	1		$\mathfrak{M}_{678}(0,2,4:1)$	1
$\mathfrak{M}_{678}(0,2,4:2)$	2		$\mathfrak{M}_{678}(0,0,6_2)$	1
$\mathfrak{M}_{678}(0,1_1,6_2)$	1		$\mathfrak{M}_{678}(0,2,6_2)$	1

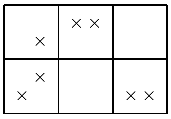
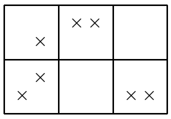
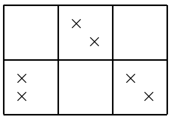
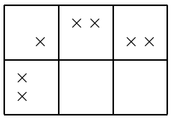
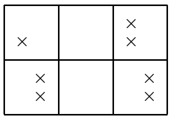
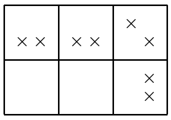
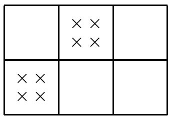
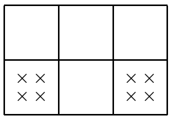
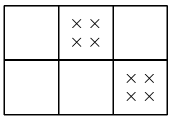
$\mathfrak{M}_{678}(0,0,6_1)$	2		$\mathfrak{M}_{678}(0,2,6_1)$	2
$\mathfrak{M}_{678}(0,2,8)$	2		$\mathfrak{M}_{678}(0,0,4)$	2
$\mathfrak{M}_{678}(2_1,1_2,6_1)$	1		$\mathfrak{M}_{678}(2_1,1_2,8)$	1
$\mathfrak{M}_{678}(2_1,2,8)$	1		$\mathfrak{M}_{678}(2_1,0,6_2)$	1
$\mathfrak{M}_{678}(2_1,1_2,6_2)$	1		$\mathfrak{M}_{678}(2_1,2,6_2)$	1
$\mathfrak{M}_{678}(2_1,0,4)$	1		$\mathfrak{M}_{678}(2_1,1,4)$	1
$\mathfrak{M}_{678}(2_1,0,6_1)$	2		$\mathfrak{M}_{678}(2_1,2,6_1)$	2
$\mathfrak{M}_{678}(2_1,0,8)$	2		$\mathfrak{M}_{678}(2_1,2,4)$	2
$\mathfrak{M}_{688}(0,1_1,5_2)$	1		$\mathfrak{M}_{688}(0,1_2,5_2)$	1
$\mathfrak{M}_{688}(1_2,2,5_2)$	1		$\mathfrak{M}_{688}(1_1,2,5_2)$	1
$\mathfrak{M}_{688}(0,0,7_2)$	1		$\mathfrak{M}_{688}(1_2,0,7_2)$	1
$\mathfrak{M}_{688}(1_1,0,7_2)$	1		$\mathfrak{M}_{688}(2,1_1,7_2)$	1
$\mathfrak{M}_{688}(2,1_2,7_2)$	1		$\mathfrak{M}_{688}(2,2,7_2)$	1
$\mathfrak{M}_{688}(0,1_2,3)$	1		$\mathfrak{M}_{688}(1_2,2,3)$	1
$\mathfrak{M}_{688}(0,0,7_1)$	1		$\mathfrak{M}_{688}(1_2,0,7_1)$	1
$\mathfrak{M}_{688}(1_1,0,7_1)$	1		$\mathfrak{M}_{688}(2,1_2,7_1)$	1
$\mathfrak{M}_{688}(2,1_1,7_1)$	1		$\mathfrak{M}_{688}(2,2,7_1)$	1
$\mathfrak{M}_{688}(0,0,5_1)$	1		$\mathfrak{M}_{688}(2,2,5_1)$	1
$\mathfrak{M}_{688}(0,0,5_2)$	2		$\mathfrak{M}_{688}(2,2,5_2)$	2
$\mathfrak{M}_{688}(1_1,2,3)$	2			
* * * * * * * * * * *	* * **		* * * * * * * * * * *	* * **
$\mathfrak{M}_{777}(8_1,8_2,8_1)$	1		$\mathfrak{M}_{777}(8_1,4,8_1)$	1
$\mathfrak{M}_{777}(4,8_1,4)$	1		$\mathfrak{M}_{777}(4,4,8_2)$	2^2
$\mathfrak{M}_{778}(8_1,4,6_1)$	1		$\mathfrak{M}_{778}(8_1,6_1,6_1:1)$	1
$\mathfrak{M}_{778}(8_1,6_1,6_1:2)$	2		$\mathfrak{M}_{778}(8_1,8,6_1)$	1
$\mathfrak{M}_{778}(4,6_1,6_1)$	1		$\mathfrak{M}_{778}(8_1,6_2,6_1)$	1
$\mathfrak{M}_{778}(8_1,8,8)$	1		$\mathfrak{M}_{778}(4,4,8:1)$	1
$\mathfrak{M}_{778}(4,4,8:2)$	2		$\mathfrak{M}_{778}(8_1,4,4)$	1
$\mathfrak{M}_{778}(8_1,8,4)$	1		$\mathfrak{M}_{778}(4_1,6_2,8)$	1
* * * * * * * * * * *	* * **		* * * * * * * * * * *	* * **
$\mathfrak{M}_{888}(3,7_1,5_1)$	1		$\mathfrak{M}_{888}(3,7_1,3:1)$	1
$\mathfrak{M}_{888}(3,7_1,3:2)$	2		$\mathfrak{M}_{888}(3,7_2,3)$	1
$\mathfrak{M}_{888}(3,5_2,5_1)$	1		$\mathfrak{M}_{888}(5_1,5_2,5_2)$	1
$\mathfrak{M}_{888}(5_2,7_1,7_1)$	1		$\mathfrak{M}_{888}(5_2,7_2,5_2)$	1
$\mathfrak{M}_{888}(7_1,7_1,7_2)$	1		$\mathfrak{M}_{888}(7_1,7_1,3)$	1
$\mathfrak{M}_{888}(5_2,5_2,3)$	1		$\mathfrak{M}_{888}(7_1,7_2,7_2)$	1
$\mathfrak{M}_{888}(5_2,7_1,5_2)$	2		$\mathfrak{M}_{888}(3,7_2,7_2)$	3

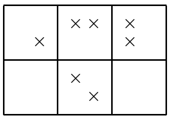
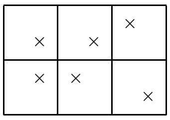
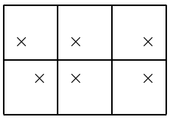
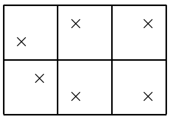
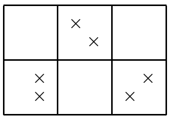
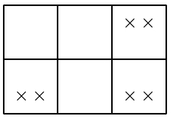
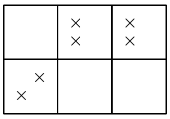
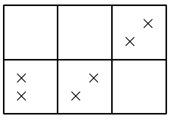
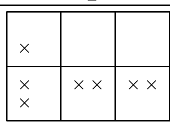
We now define the subgroups for $\mathfrak{M}_{\mathrm{ijk}}(\mathrm{t_i},\mathrm{t_j},\mathrm{t_k}:\mathrm{l})$ ($l \in \{1,2,3\}$) by giving the $X_i \in \mathfrak{X}$ such that $G_i = Stab_G X_i$ $(i = 1,2,3)$.

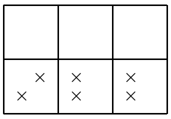
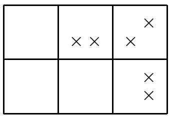
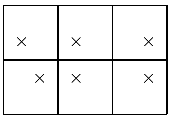
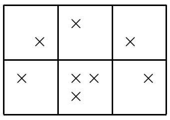
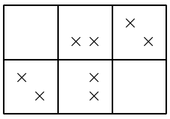
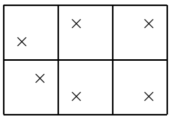
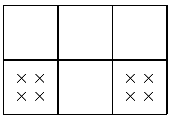
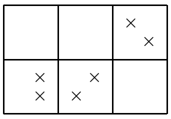
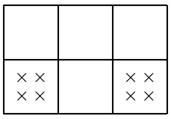
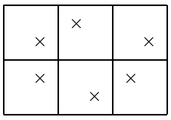
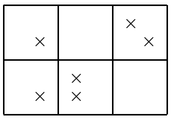
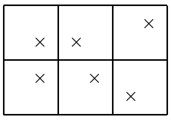
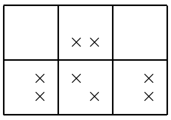
$\mathfrak{M}_{\mathrm{ijk}}(\mathrm{t_i}, \mathrm{t_j}, \mathrm{t_k} : \mathrm{l})$	X_1	X_2	X_3
$\mathfrak{M}_{116}(0, 0, 0 : 1)$	$\{9\}$	$\{22\}$	$\{17, 11\}$
$\mathfrak{M}_{116}(0, 0, 0 : 2)$	$\{19\}$	$\{22\}$	$\{17, 11\}$
$\mathfrak{M}_{118}(0, 0, 1 : 1)$	$\{11\}$	$\{22\}$	e_2
$\mathfrak{M}_{118}(0, 0, 1 : 2)$	$\{1\}$	$\{22\}$	e_2
$\mathfrak{M}_{125}(0, 0, 2 : 1)$	$\{19\}$	h_2	O_2
$\mathfrak{M}_{125}(0, 0, 2 : 2)$	$\{0\}$	h_2	O_2
$\mathfrak{M}_{126}(0, 0, 0 : 1)$	$\{22\}$	h_1	$\{17, 11\}$
$\mathfrak{M}_{126}(0, 0, 0 : 2)$	$\{4\}$	h_1	$\{17, 11\}$
$\mathfrak{M}_{128}(0, 1, 3 : 1)$	$\{22\}$	h_1	e_2
$\mathfrak{M}_{128}(0, 1, 3 : 2)$	$\{4\}$	h_1	e_2
$\mathfrak{M}_{128}(0, 0, 3 : 1)$	$\{17\}$	h_1	e_2
$\mathfrak{M}_{128}(0, 0, 3 : 2)$	$\{1\}$	h_1	e_2
$\mathfrak{M}_{133}(0, 0, 3 : 1)$	$\{22\}$	h_2	$h_7{}^{\star}$
$\mathfrak{M}_{133}(0, 0, 3 : 2)$	$\{0\}$	h_2	$h_7{}^{\star}$
$\mathfrak{M}_{135}(0, 0, 2 : 1)$	$\{4\}$	$h_2{}^{\star}$	O_3
$\mathfrak{M}_{135}(0, 0, 2 : 2)$	$\{8\}$	$h_2{}^{\star}$	O_3
$\mathfrak{M}_{135}(1, 0, 2 : 1)$	$\{0\}$	$h_2{}^{\star}$	O_3
$\mathfrak{M}_{135}(1, 0, 2 : 2)$	$\{17\}$	$h_2{}^{\star}$	O_3
$\mathfrak{M}_{135}(0, 0, 4 : 1)$	$\{0\}$	$h_1{}^{\star}$	O_2
$\mathfrak{M}_{135}(0, 0, 4 : 2)$	$\{22\}$	$h_1{}^{\star}$	O_2
$\mathfrak{M}_{136}(0, 0, 1 : 1)$	$\{22\}$	$h_1{}^{\star}$	$\{17, 11\}$
$\mathfrak{M}_{136}(0, 0, 1 : 2)$	$\{0\}$	$h_1{}^{\star}$	$\{17, 11\}$
$\mathfrak{M}_{138}(0, 1, 2 : 1)$	$\{13\}$	$h_2{}^{\star}$	e_2
$\mathfrak{M}_{138}(0, 1, 2 : 2)$	$\{8\}$	$h_2{}^{\star}$	e_2
$\mathfrak{M}_{138}(1, 0, 2 : 1)$	$\{0\}$	$h_2{}^{\star}$	e_2
$\mathfrak{M}_{138}(1, 0, 2 : 2)$	$\{17\}$	$h_2{}^{\star}$	e_2
$\mathfrak{M}_{138}(0, 0, 4 : 1)$	$\{0\}$	$h_6{}^{\star}$	e_2
$\mathfrak{M}_{138}(0, 0, 4 : 2)$	$\{17\}$	$h_6{}^{\star}$	e_2
$\mathfrak{M}_{155}(0, 0, 4_1 : 1)$	$\{19\}$	O_2	O_4
$\mathfrak{M}_{155}(0, 0, 4_1 : 2)$	$\{0\}$	O_2	O_4
$\mathfrak{M}_{156}(0, 0, 2 : 1)$	$\{22\}$	O_2	$\{17, 11\}$
$\mathfrak{M}_{156}(0, 0, 2 : 2)$	$\{8\}$	O_2	$\{17, 11\}$
$\mathfrak{M}_{157}(0, 1, 4_2 : 1)$	$\{16\}$		d_1

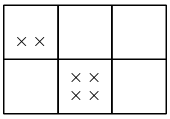
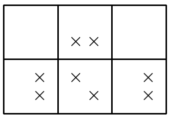
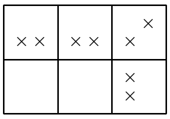
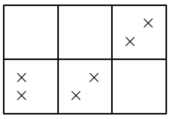
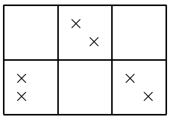
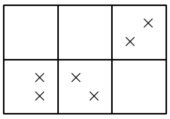
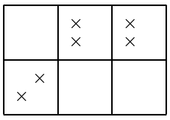
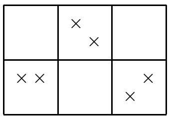
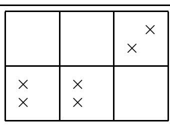
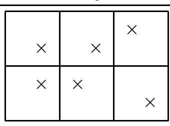
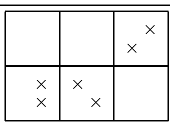
$\mathfrak{M}_{157}(0,1,4_2:2)$	$\{0\}$		d_1
$\mathfrak{M}_{158}(0,1,2:1)$	$\{4\}$	O_3	e_2
$\mathfrak{M}_{158}(0,1,2:2)$	$\{8\}$	O_3	e_2
$\mathfrak{M}_{158}(0,1,4_1:1)$	$\{20\}$	O_7	e_2
$\mathfrak{M}_{158}(0,1,4_1:2)$	$\{16\}$	O_7	e_2
$\mathfrak{M}_{158}(0,0,4_1:1)$	$\{12\}$	O_7	e_2
$\mathfrak{M}_{158}(0,0,4_1:2)$	$\{3\}$	O_7	e_2
$\mathfrak{M}_{158}(0,0,6:1)$	$\{0\}$	O_2	e_2
$\mathfrak{M}_{158}(0,0,6:2)$	$\{1\}$	O_2	e_2
$\mathfrak{M}_{158}(0,1,6:1)$	$\{22\}$	O_2	e_2
$\mathfrak{M}_{158}(0,1,6:2)$	$\{8\}$	O_2	e_2
$\mathfrak{M}_{166}(0,0,0_1:1)$	$\{0\}$	$\{17,11\}$	$\{22,19\}$
$\mathfrak{M}_{166}(0,0,0_1:2)$	$\{1\}$	$\{17,11\}$	$\{22,19\}$
$\mathfrak{M}_{167}(0,0,1:1)$	$\{1\}$	$\{22,19\}$	d_1
$\mathfrak{M}_{167}(0,0,1:2)$	$\{4\}$	$\{22,19\}$	d_1
$\mathfrak{M}_{168}(0,0,0:1)$	$\{1\}$	$\{17,11\}$	e_2
$\mathfrak{M}_{168}(0,0,0:2)$	$\{0\}$	$\{17,11\}$	e_2
$\mathfrak{M}_{168}(0,1,0:1)$	$\{4\}$	$\{17,11\}$	e_2
$\mathfrak{M}_{168}(0,1,0:2)$	$\{8\}$	$\{17,11\}$	e_2
$\mathfrak{M}_{168}(0,1,0:3)$	$\{22\}$	$\{17,11\}$	e_2
$\mathfrak{M}_{168}(0,0,2:1)$	$\{1\}$	$\{22,19\}$	e_2
$\mathfrak{M}_{168}(0,0,2:2)$	$\{0\}$	$\{22,19\}$	e_2
$\mathfrak{M}_{168}(0,1,2:1)$	$\{4\}$	$\{22,19\}$	e_2
$\mathfrak{M}_{168}(0,1,2:2)$	$\{8\}$	$\{22,19\}$	e_2
$\mathfrak{M}_{177}(1,1,8_1:1)$	$\{16\}$	d_1	
$\mathfrak{M}_{177}(1,1,8_1:2)$	$\{22\}$	d_1	
$\mathfrak{M}_{188}(0,0,7_1:1)$	$\{12\}$	e_2	e_4
$\mathfrak{M}_{188}(0,0,7_1:2)$	$\{9\}$	e_2	e_4
$\mathfrak{M}_{188}(1,1,7_1:1)$	$\{16\}$	e_2	e_4
$\mathfrak{M}_{188}(1,1,7_1:2)$	$\{22\}$	e_2	e_4
*********	*********	*********	*********

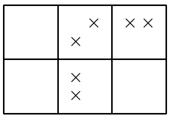
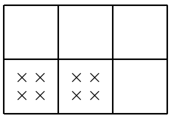
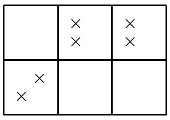
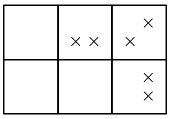
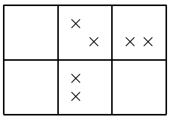
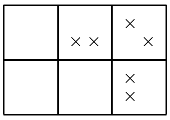
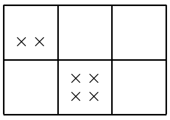
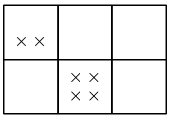
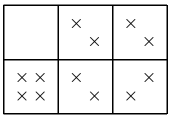
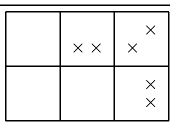
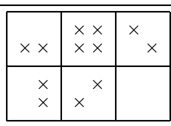
$\mathfrak{M}_{222}(2,2,2:1)$	h_2	h_5	
$\mathfrak{M}_{222}(2,2,2:2)$	h_1	h_3	
$\mathfrak{M}_{223}(2,3,1:1)$	h_2	h_5	${h_5}^\star$
$\mathfrak{M}_{223}(2,3,1:2)$	h_2	h_3	${h_1}^\star$
$\mathfrak{M}_{223}(2,3,3:1)$	h_1	h_3	${h_1}^\star$
$\mathfrak{M}_{223}(2,3,3:2)$	h_2	h_5	${h_2}^\star$
$\mathfrak{M}_{225}(2,2,2:1)$	h_2	h_3	O_4
$\mathfrak{M}_{225}(2,2,2:2)$	h_2		O_2
$\mathfrak{M}_{226}(2,0,0:1)$	h_1		$\{22,19\}$
$\mathfrak{M}_{226}(2,0,0:2)$	h_1	h_4	$\{17,11\}$
$\mathfrak{M}_{227}(2,4,4:1)$	h_3	h_4	d_1
$\mathfrak{M}_{227}(2,4,4:2)$	h_3		d_1
$\mathfrak{M}_{228}(2,3,3:1)$	h_1	h_3	e_1
$\mathfrak{M}_{228}(2,3,3:2)$	h_1		e_2
$\mathfrak{M}_{228}(2,3,3:3)$	h_1	h_3	e_2
$\mathfrak{M}_{228}(2,3,5:1)$	h_1		e_2
$\mathfrak{M}_{228}(2,3,5:2)$	h_1		e_2
$\mathfrak{M}_{228}(2,1,3:1)$	h_2		e_2

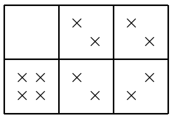
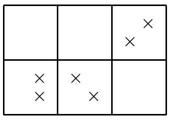
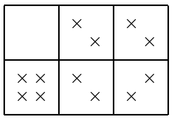
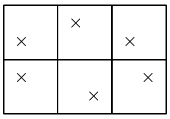
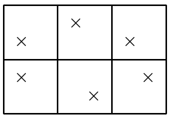
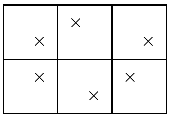
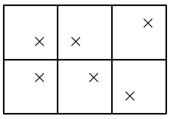
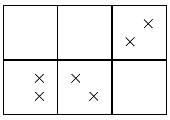
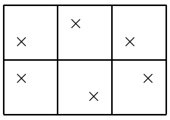
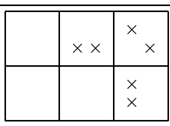
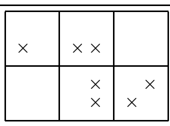
$\mathfrak{M}_{228}(2,1,3:2)$	h_1	h_6	e_2
$\mathfrak{M}_{233}(3,3,3:1)$	h_1	$h_5{}^\star$	
$\mathfrak{M}_{233}(3,3,3:1)$	h_1	$h_5{}^\star$	
$\mathfrak{M}_{233}(3,3,3:2)$	h_6	$h_6{}^\star$	$h_5{}^\star$
$\mathfrak{M}_{233}(1,1,3:1)$	h_2	$h_1{}^\star$	$h_7{}^\star$
$\mathfrak{M}_{233}(1,1,3:2)$		$h_1{}^\star$	$h_7{}^\star$
$\mathfrak{M}_{234}(3,3,2:1)$	h_1	$h_1{}^\star$	
$\mathfrak{M}_{234}(3,3,2:2)$	h_1	$h_1{}^\star$	
$\mathfrak{M}_{235}(3,2,2:1)$	h_1	$h_1{}^\star$	
$\mathfrak{M}_{235}(3,2,2:2)$	h_2	$h_5{}^\star$	
$\mathfrak{M}_{235}(3,4,4:1)$	h_1	$h_6{}^\star$	
$\mathfrak{M}_{235}(3,4,4:2)$	h_2	$h_1{}^\star$	O_3
$\mathfrak{M}_{235}(1,4,2:1)$	h_2	$h_6{}^\star$	O_7
$\mathfrak{M}_{235}(1,4,2:2)$	h_2	$h_6{}^\star$	
$\mathfrak{M}_{236}(3,0,0:1)$	h_1	$h_6{}^\star$	$\{17,13\}$
$\mathfrak{M}_{236}(3,0,0:2)$	h_1	$h_6{}^\star$	$\{17,4\}$
$\mathfrak{M}_{236}(3,0,0:3)$	h_1	$h_6{}^\star$	$\{17,11\}$

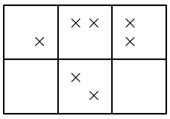
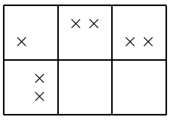
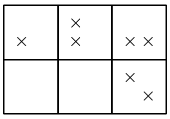
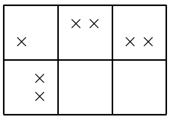
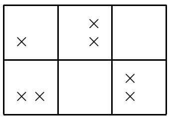
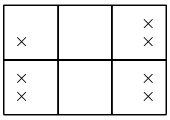
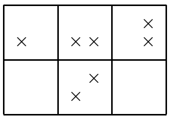
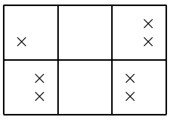
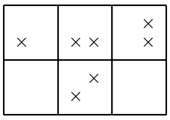
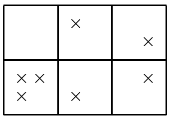
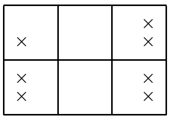
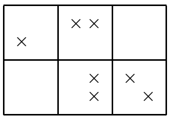
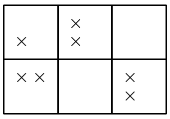
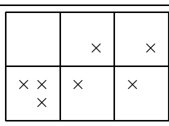
$\mathfrak{M}_{236}(1,0,0:1)$	h_2	$h_6{}^\star$	$\{4,19\}$
$\mathfrak{M}_{236}(1,0,0:2)$	h_2	$h_1{}^\star$	$\{0,13\}$
$\mathfrak{M}_{236}(1,1,0:1)$	h_2	$h_6{}^\star$	$\{9,19\}$
$\mathfrak{M}_{236}(1,1,0:2)$	h_2	$h_1{}^\star$	$\{22,19\}$
$\mathfrak{M}_{237}(3,4,4:1)$	h_3	$h_1{}^\star$	d_1
$\mathfrak{M}_{237}(3,4,4:2)$	h_3		d_1
$\mathfrak{M}_{237}(3,4,2:1)$	h_3	$h_9{}^\star$	d_1
$\mathfrak{M}_{237}(3,4,2:2)$		$h_9{}^\star$	d_1
$\mathfrak{M}_{237}(1,4,2:1)$		$h_9{}^\star$	d_1
$\mathfrak{M}_{237}(1,4,2:2)$	h_6	$h_9{}^\star$	d_1
$\mathfrak{M}_{237}(1,4,4:1)$		$h_6{}^\star$	d_1
$\mathfrak{M}_{237}(1,4,4:2)$	h_3	$h_6{}^\star$	d_1
$\mathfrak{M}_{238}(3,3,4:1)$		$h_5{}^\star$	e_2
$\mathfrak{M}_{238}(3,3,4:2)$		$h_5{}^\star$	e_2
$\mathfrak{M}_{238}(3,3,2:1)$		$h_2{}^\star$	e_2
$\mathfrak{M}_{238}(3,3,2:2)$		$h_2{}^\star$	e_2
$\mathfrak{M}_{238}(3,3,2:3)$	h_4	$h_2{}^\star$	e_2
$\mathfrak{M}_{238}(3,1,2:1)$	h_6		e_2

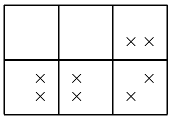
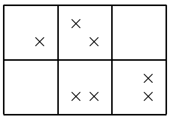
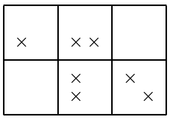
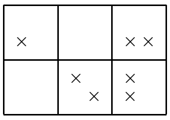
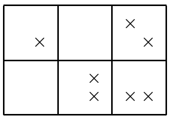
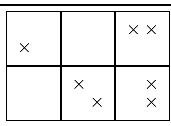
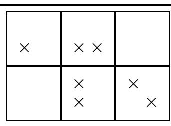
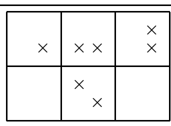
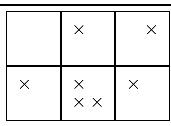
$\mathfrak{M}_{238}(3,1,2:2)$	h_2	$h_2{}^{\star}$	e_2
$\mathfrak{M}_{238}(1,3,2:1)$		$h_2{}^{\star}$	e_2
$\mathfrak{M}_{238}(1,3,2:2)$		$h_2{}^{\star}$	e_2
$\mathfrak{M}_{238}(1,3,4:1)$		$h_6{}^{\star}$	e_2
$\mathfrak{M}_{238}(1,3,4:2)$	h_4	$h_6{}^{\star}$	e_2
$\mathfrak{M}_{255}(2,2,4_1:1)$	h_2	O_2	
$\mathfrak{M}_{255}(2,2,4_1:2)$	h_2	O_2	
$\mathfrak{M}_{256}(2,0,1:1)$	h_2	O_2	$\{3,4\}$
$\mathfrak{M}_{256}(2,0,1:2)$	h_2	O_2	$\{8,4\}$
$\mathfrak{M}_{257}(2,4,6:1)$			d_1
$\mathfrak{M}_{257}(2,4,6:2)$			d_1
$\mathfrak{M}_{257}(2,4,4_1:1)$		O_3	d_1
$\mathfrak{M}_{257}(2,4,4_1:2)$		O_3	d_1
$\mathfrak{M}_{257}(2,2,4_2:1)$			d_1

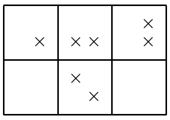
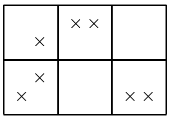
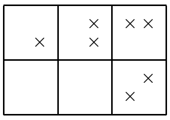
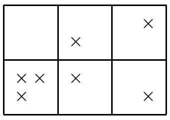
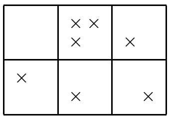
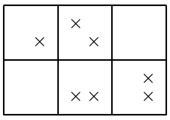
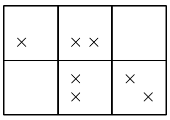
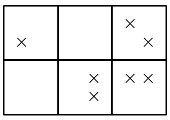
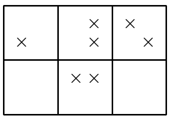
$\mathfrak{M}_{257}(2,2,4_2:2)$			d_1
$\mathfrak{M}_{258}(0,3,4_2:1)$	h_1	O_2	e_1
$\mathfrak{M}_{258}(0,3,4_2:2)$	h_3	O_3	e_1
$\mathfrak{M}_{258}(2,3,2:1)$	h_1		e_1
$\mathfrak{M}_{258}(2,3,2:2)$		O_3	e_2
$\mathfrak{M}_{258}(2,3,4_2:1)$		O_3	e_1
$\mathfrak{M}_{258}(2,3,4_2:2)$		O_3	e_1
$\mathfrak{M}_{258}(2,3,6:1)$		O_2	e_2
$\mathfrak{M}_{258}(2,3,6:2)$		O_2	e_2
$\mathfrak{M}_{258}(2,1,4_2:1)$		O_3	e_1
$\mathfrak{M}_{258}(2,1,4_2:2)$	h_5	O_2	e_1
$\mathfrak{M}_{258}(2,5,4_2:1)$		O_3	e_1
$\mathfrak{M}_{258}(2,5,4_2:2)$	h_2	O_2	e_1
$\mathfrak{M}_{258}(2,5,6:1)$		O_2	e_2

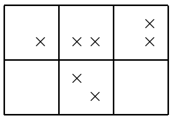
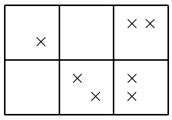
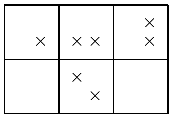
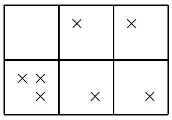
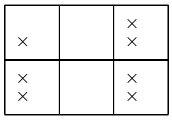
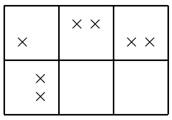
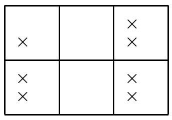
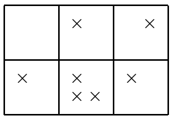
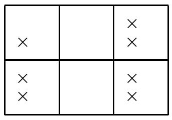
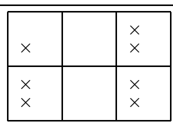
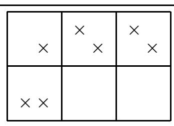
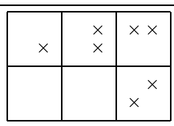
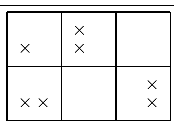
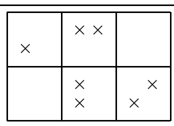
$\mathfrak{M}_{258}(2,5,6:2)$			e_2
$\mathfrak{M}_{258}(4,3,4_1:1)$		O_7	e_2
$\mathfrak{M}_{258}(4,3,4_1:2)$		O_7	e_2
$\mathfrak{M}_{258}(4,3,6:1)$		O_2	e_2
$\mathfrak{M}_{258}(4,3,6:2)$	h_3	O_2	e_2
$\mathfrak{M}_{258}(4,3,2:1)$		O_3	e_2
$\mathfrak{M}_{258}(4,3,2:2)$	h_4	O_3	e_2
$\mathfrak{M}_{267}(0,4,0:1)$	h_3	$\{2,19\}$	d_1
$\mathfrak{M}_{267}(0,4,0:2)$	h_3	$\{7,10\}$	d_1
$\mathfrak{M}_{267}(0,2,0:1)$	h_5	$\{2,16\}$	d_1
$\mathfrak{M}_{267}(0,2,0:2)$	h_5	$\{4,13\}$	d_1
$\mathfrak{M}_{268}(0,5,0:1)$		$\{21,12\}$	e_2
$\mathfrak{M}_{268}(0,5,0:2)$		$\{11,17\}$	e_2
$\mathfrak{M}_{268}(1,3,0:1)$	h_1	$\{0,12\}$	e_2
$\mathfrak{M}_{268}(1,3,0:2)$	h_1	$\{0,17\}$	e_2
$\mathfrak{M}_{268}(1,3,2:1)$	h_1	$\{8,16\}$	e_2
$\mathfrak{M}_{268}(1,3,2:2)$	h_1	$\{4,8\}$	e_2
$\mathfrak{M}_{277}(2,2,8_1:1)$	h_5	d_1	
$\mathfrak{M}_{277}(2,2,8_1:2)$		d_1	

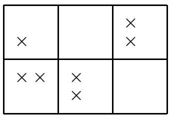
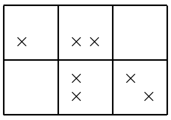
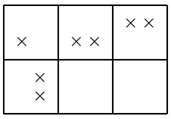
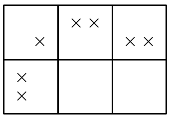
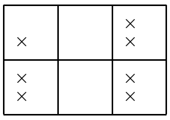
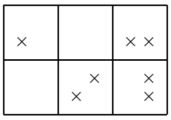
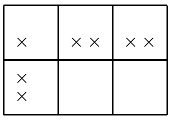
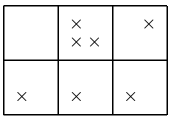
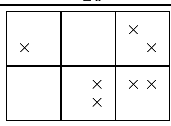
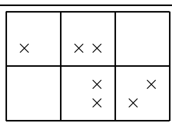
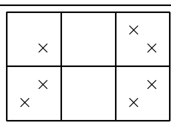
$\mathfrak{M}_{277}(4,2,8_1:1)$	h_3	d_1	
$\mathfrak{M}_{277}(4,2,8_1:2)$		d_1	
$\mathfrak{M}_{278}(4,1,4:1)$		d_1	e_2
$\mathfrak{M}_{278}(4,1,4:2)$	h_6	d_1	e_2
$\mathfrak{M}_{278}(4,3,8:1)$		d_1	e_3
$\mathfrak{M}_{278}(4,3,8:2)$	h_4	d_1	e_3
$\mathfrak{M}_{278}(4,5,8:1)$		d_1	e_3
$\mathfrak{M}_{278}(4,5,8:2)$	h_6	d_1	e_3
$\mathfrak{M}_{288}(3,5,7_1:1)$		e_4	e_2
$\mathfrak{M}_{288}(3,5,7_1:2)$		e_4	e_2
$\mathfrak{M}_{288}(1,3,7_1:1)$		e_2	e_4
$\mathfrak{M}_{288}(1,3,7_1:2)$		e_4	e_2
* * * * * * * * * **	* * * * * * * * * **	* * * * * * * * * **	* * * * * * * * * **
$\mathfrak{M}_{333}(1,1,3:1)$		$h_6{}^{\star}$	$h_5{}^{\star}$
$\mathfrak{M}_{333}(1,1,3:2)$	$h_6{}^{\star}$	$h_5{}^{\star}$	$h_2{}^{\star}$

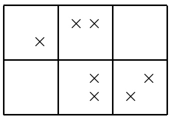
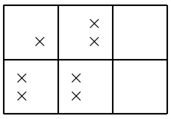
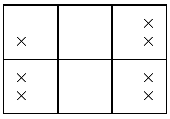
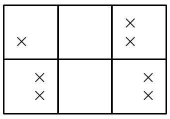
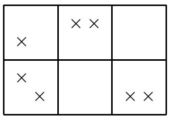
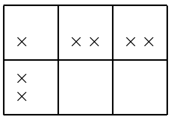
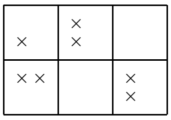
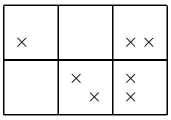
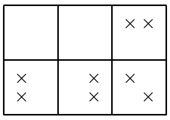
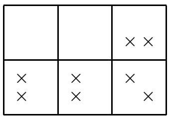
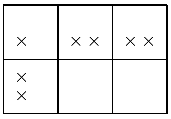
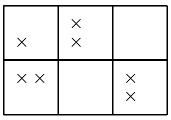
$\mathfrak{M}_{333}(3,3,3:1)$	${h_1}^\star$	${h_7}^\star$	
$\mathfrak{M}_{333}(3,3,3:2)$	${h_1}^\star$	${h_7}^\star$	
$\mathfrak{M}_{334}(3,2,2:1)$	${h_1}^\star$	${h_5}^\star$	
$\mathfrak{M}_{334}(3,2,2:2)$			
$\mathfrak{M}_{334}(1,2,2:1)$	${h_2}^\star$	${h_5}^\star$	${h_8}^\star$
$\mathfrak{M}_{334}(1,2,2:2)$	${h_2}^\star$	${h_5}^\star$	
$\mathfrak{M}_{334}(1,2,4:1)$	${h_2}^\star$	${h_5}^\star$	
$\mathfrak{M}_{334}(1,2,4:2)$	${h_5}^\star$	${h_9}^\star$	
$\mathfrak{M}_{334}(3,4,4:1)$	${h_5}^\star$		
$\mathfrak{M}_{334}(3,4,4:2)$	${h_6}^\star$	${h_5}^\star$	${h_4}^\star$
$\mathfrak{M}_{335}(1,2,4:1)$		${h_5}^\star$	O_3
$\mathfrak{M}_{335}(1,2,4:2)$	${h_5}^\star$		O_3
$\mathfrak{M}_{335}(3,4,2:1)$	${h_1}^\star$		O_2

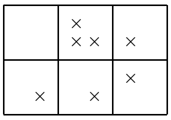
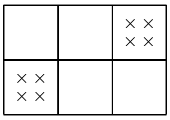
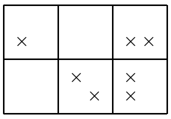
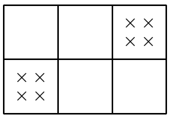
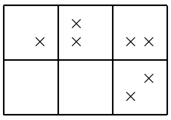
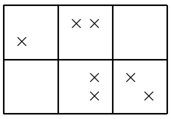
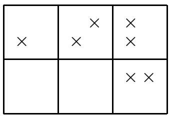
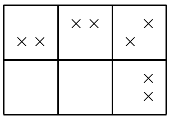
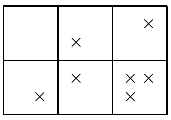
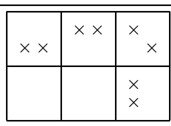
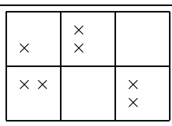
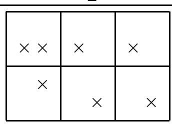
$\mathfrak{M}_{335}(3,4,2:2)$	$h_1{}^\star$	$h_7{}^\star$	
$\mathfrak{M}_{335}(3,4,4:1)$	$h_1{}^\star$		O_2
$\mathfrak{M}_{335}(3,4,4:2)$	$h_1{}^\star$		O_2
$\mathfrak{M}_{336}(3,0,1:1)$	$h_1{}^\star$	$h_7{}^\star$	$\{1,17\}$
$\mathfrak{M}_{336}(3,0,1:2)$	$h_1{}^\star$	$h_7{}^\star$	$\{0,17\}$
$\mathfrak{M}_{336}(1,1,0:1)$	$h_2{}^\star$	$h_5{}^\star$	$\{13,17\}$
$\mathfrak{M}_{336}(1,1,0:2)$	$h_1{}^\star$	$h_2{}^\star$	$\{11,13\}$
$\mathfrak{M}_{336}(1,2,0:1)$	$h_2{}^\star$	$h_5{}^\star$	$\{0,22\}$
$\mathfrak{M}_{336}(1,2,0:2)$	$h_6{}^\star$	$h_2{}^\star$	$\{11,17\}$
$\mathfrak{M}_{337}(3,4,2:1)$	$h_1{}^\star$	$h_9{}^\star$	d_1
$\mathfrak{M}_{337}(3,4,2:2)$	$h_6{}^\star$		d_1
$\mathfrak{M}_{337}(3,6,4:1)$	$h_5{}^\star$		d_1
$\mathfrak{M}_{337}(3,6,4:2)$	$h_5{}^\star$		d_1
$\mathfrak{M}_{337}(3,2,2:1)$	$h_9{}^\star$		d_1
$\mathfrak{M}_{337}(3,2,2:2)$	$h_9{}^\star$		d_1
$\mathfrak{M}_{337}(1,4,2:1)$	$h_6{}^\star$		d_1

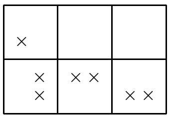
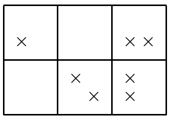
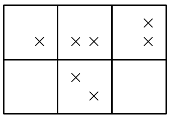
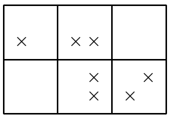
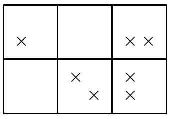
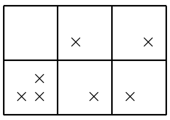
$\mathfrak{M}_{337}(1,4,2:2)$	${h_6}^{\star}$		d_1
$\mathfrak{M}_{338}(3,2,4:1)$	${h_2}^{\star}$		e_1
$\mathfrak{M}_{338}(3,2,4:2)$	${h_2}^{\star}$		e_2
$\mathfrak{M}_{338}(3,2,2:1)$	${h_2}^{\star}$		e_2
$\mathfrak{M}_{338}(3,2,2:2)$	${h_2}^{\star}$		e_1
$\mathfrak{M}_{338}(1,2,4:1)$	${h_2}^{\star}$		e_2
$\mathfrak{M}_{338}(1,2,4:2)$	${h_2}^{\star}$		e_2
$\mathfrak{M}_{345}(2,2,4:1)$	${h_2}^{\star}$		O_3
$\mathfrak{M}_{345}(2,2,4:2)$	${h_2}^{\star}$	${h_8}^{\star}$	O_3
$\mathfrak{M}_{345}(2,4,4:1)$		${h_4}^{\star}$	O_7
$\mathfrak{M}_{345}(2,4,4:2)$	${h_2}^{\star}$	${h_8}^{\star}$	O_7
$\mathfrak{M}_{346}(2,0,0:1)$	${h_2}^{\star}$	${h_{10}}^{\star}$	$\{8,20\}$
$\mathfrak{M}_{346}(2,0,0:2)$	${h_2}^{\star}$	${h_{10}}^{\star}$	$\{8,5\}$
$\mathfrak{M}_{346}(2,1,0:1)$	${h_2}^{\star}$	${h_{10}}^{\star}$	$\{5,19\}$

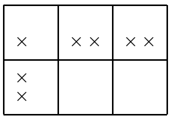
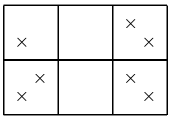
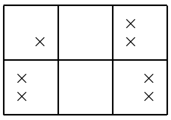
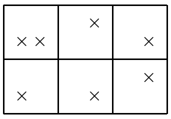
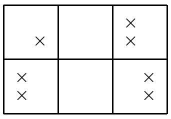
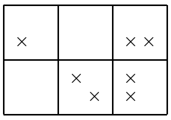
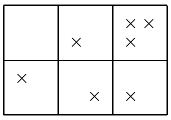
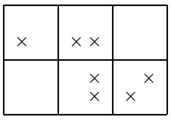
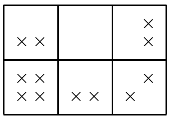
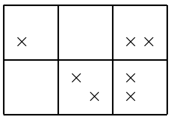
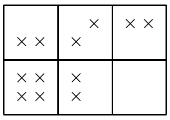
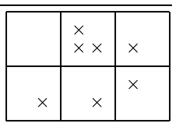
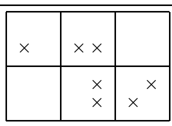
$\mathfrak{M}_{346}(2,1,0:2)$	${h_2}^{\star}$	${h_{10}}^{\star}$	$\{9,19\}$
$\mathfrak{M}_{347}(4,2,2:1)$			d_1
$\mathfrak{M}_{347}(4,2,2:2)$		${h_{10}}^{\star}$	d_1
$\mathfrak{M}_{347}(2,6,4:1)$			d_1
$\mathfrak{M}_{347}(2,6,4:2)$			d_1
$\mathfrak{M}_{347}(2,2,4:1)$			d_1
$\mathfrak{M}_{347}(2,2,4:2)$	${h_9}^{\star}$		d_1
$\mathfrak{M}_{348}(4,4,5:1)$		${h_4}^{\star}$	e_2
$\mathfrak{M}_{348}(4,4,5:2)$		${h_4}^{\star}$	e_2
$\mathfrak{M}_{348}(4,2,3:1)$		${h_3}^{\star}$	e_2
$\mathfrak{M}_{348}(4,2,3:2)$		${h_3}^{\star}$	e_2

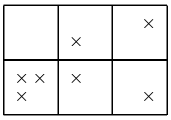
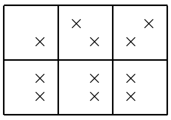
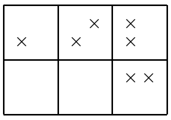
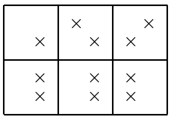
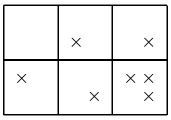
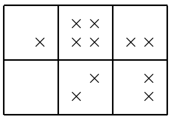
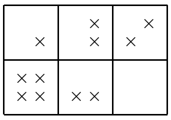
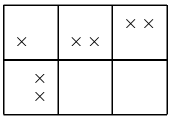
$\mathfrak{M}_{348}(4,4,3:1)$		$h_3{}^{\star}$	e_2
$\mathfrak{M}_{348}(4,4,3:2)$		$h_3{}^{\star}$	e_2
$\mathfrak{M}_{348}(4,6,5:1)$		$h_4{}^{\star}$	e_2
$\mathfrak{M}_{348}(4,6,5:2)$	$h_1{}^{\star}$	$h_4{}^{\star}$	e_2
$\mathfrak{M}_{348}(4,2,1:1)$	$h_2{}^{\star}$		e_2
$\mathfrak{M}_{348}(4,2,1:2)$	$h_2{}^{\star}$		e_2
$\mathfrak{M}_{348}(0,2,5:1)$		$h_4{}^{\star}$	e_2
$\mathfrak{M}_{348}(0,2,5:2)$		$h_4{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,4,5:1)$		$h_4{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,4,5:2)$	$h_6{}^{\star}$	$h_{10}{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,4,3:1)$	$h_6{}^{\star}$		e_2
$\mathfrak{M}_{348}(2,4,3:2)$		$h_3{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,6,3:1)$	$h_1{}^{\star}$		e_2

$\mathfrak{M}_{348}(2,6,3:2)$		$h_3{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,2,3:1)$			e_1
$\mathfrak{M}_{348}(2,2,3:2)$	$h_2{}^{\star}$		e_2
$\mathfrak{M}_{348}(2,4,1:1)$	$h_5{}^{\star}$	$h_8{}^{\star}$	e_2
$\mathfrak{M}_{348}(2,4,1:2)$	$h_6{}^{\star}$		e_2
$\mathfrak{M}_{355}(2,2,4_1:1)$		O_2	O_4
$\mathfrak{M}_{355}(2,2,4_1:2)$		O_2	O_4
$\mathfrak{M}_{355}(2,2,2:1)$		O_2	
$\mathfrak{M}_{355}(2,2,2:2)$	$h_2{}^{\star}$	O_2	
$\mathfrak{M}_{355}(2,2,4_1:1)$		O_2	O_4
$\mathfrak{M}_{355}(2,2,4_1:2)$		O_2	O_4

$\mathfrak{M}_{356}(2,0,0_2:1)$	${h_2}^{\star}$	O_2	$\{9,20\}$
$\mathfrak{M}_{356}(2,0,0_2:2)$	${h_2}^{\star}$	O_2	$\{5,6\}$
$\mathfrak{M}_{356}(2,1,0_1:1)$	${h_2}^{\star}$	O_2	$\{1,22\}$
$\mathfrak{M}_{356}(2,1,0_1:2)$	${h_2}^{\star}$	O_2	$\{0,8\}$
$\mathfrak{M}_{357}(2,2,6:1)$			d_1
$\mathfrak{M}_{357}(2,2,6:2)$			d_1
$\mathfrak{M}_{358}(4,2,4_2:1)$		O_5	e_2
$\mathfrak{M}_{358}(4,2,4_2:2)$		O_4	e_2
$\mathfrak{M}_{358}(4,2,2:1)$		O_3	e_2
$\mathfrak{M}_{358}(4,2,2:2)$	${h_2}^{\star}$		e_2
$\mathfrak{M}_{358}(4,4,2:1)$		O_3	e_2
$\mathfrak{M}_{358}(4,4,2:2)$	${h_6}^{\star}$		e_2
$\mathfrak{M}_{366}(1,0,0_1:1)$		$\{11,17\}$	$\{22,19\}$
$\mathfrak{M}_{366}(1,0,0_1:2)$	${h_2}^{\star}$	$\{11,17\}$	$\{19,22\}$
$\mathfrak{M}_{366}(0,0,0_1:1)$		$\{11,17\}$	$\{22,19\}$

$\mathfrak{M}_{366}(0,0,0_1:2)$		$\{11,17\}$	$\{22,19\}$
$\mathfrak{M}_{367}(1,2,0:1)$		$\{1,13\}$	d_1
$\mathfrak{M}_{367}(1,2,0:2)$		$\{1,19\}$	d_1
$\mathfrak{M}_{367}(1,4,2_1:1)$	$h_6{}^\star$	$\{8,17\}$	d_1
$\mathfrak{M}_{367}(1,4,2_1:2)$	$h_6{}^\star$	$\{8,9\}$	d_1
$\mathfrak{M}_{367}(0,4,0:1)$	$h_1{}^\star$	$\{1,19\}$	d_1
$\mathfrak{M}_{367}(0,4,0:2)$	$h_6{}^\star$	$\{4,13\}$	d_1
$\mathfrak{M}_{367}(0,2,1:1)$		$\{22,19\}$	d_1
$\mathfrak{M}_{367}(0,2,1:2)$		$\{22,19\}$	d_1
$\mathfrak{M}_{368}(0,4,2:1)$	$h_6{}^\star$	$\{4,19\}$	e_2
$\mathfrak{M}_{368}(0,4,2:2)$	$h_6{}^\star$	$\{4,13\}$	e_2
$\mathfrak{M}_{368}(0,4,0:1)$	$h_6{}^\star$	$\{0,17\}$	e_2
$\mathfrak{M}_{368}(0,4,0:2)$	$h_6{}^\star$	$\{5,6\}$	e_2
$\mathfrak{M}_{368}(0,2,2:1)$	$h_2{}^\star$	$\{18,13\}$	e_2
$\mathfrak{M}_{368}(0,2,2:2)$	$h_2{}^\star$	$\{4,8\}$	e_2
$\mathfrak{M}_{368}(0,2,2:3)$	$h_2{}^\star$	$\{4,13\}$	e_2
$\mathfrak{M}_{368}(0,2,0:1)$	$h_2{}^\star$	$\{5,6\}$	e_2
$\mathfrak{M}_{368}(0,2,0:2)$	$h_2{}^\star$	$\{1,9\}$	e_2
$\mathfrak{M}_{368}(1,2,0:1)$	$h_2{}^\star$	$\{1,11\}$	e_2
$\mathfrak{M}_{368}(1,2,0:2)$	$h_2{}^\star$	$\{1,0\}$	e_2
$\mathfrak{M}_{368}(1,4,0:1)$	$h_6{}^\star$	$\{1,17\}$	e_2
$\mathfrak{M}_{368}(1,4,0:2)$	$h_6{}^\star$	$\{1,9\}$	e_2
$\mathfrak{M}_{368}(2,2,0:1)$	$h_2{}^\star$	$\{17,0\}$	e_2
$\mathfrak{M}_{368}(2,2,0:2)$	$h_2{}^\star$	$\{3,15\}$	e_2
$\mathfrak{M}_{377}(2,4,4:1)$		d_1	d_3

$\mathfrak{M}_{377}(2,4,4:2)$		d_3	d_1
$\mathfrak{M}_{378}(6,4,8:1)$		d_1	e_1
$\mathfrak{M}_{378}(6,4,8:2)$		d_1	e_3
$\mathfrak{M}_{378}(6,2,4:1)$		d_1	e_2
$\mathfrak{M}_{378}(6,2,4:2)$		d_1	e_2
$\mathfrak{M}_{378}(2,2,8:1)$		d_1	e_1
$\mathfrak{M}_{378}(2,2,8:2)$		d_1	e_3
$\mathfrak{M}_{378}(2,2,4:1)$			e_1
$\mathfrak{M}_{378}(2,2,4:2)$			e_1
$\mathfrak{M}_{378}(2,4,8:1)$		d_1	e_3
$\mathfrak{M}_{378}(2,4,8:2)$		d_1	e_1

$\mathfrak{M}_{388}(2, 2, 7_2 : 1)$		e_1	
$\mathfrak{M}_{388}(2, 2, 7_2 : 2)$		e_1	
$\mathfrak{M}_{388}(2, 4, 5_2 : 1)$		e_2	
$\mathfrak{M}_{388}(2, 4, 5_2 : 2)$	${h_2}^{\star}$	e_1	
$\mathfrak{M}_{388}(2, 6, 3 : 1)$	${h_9}^{\star}$	e_3	e_2
$\mathfrak{M}_{388}(2, 6, 3 : 2)$		e_3	e_2
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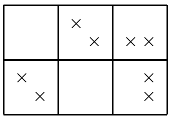
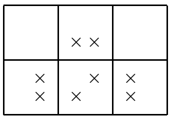
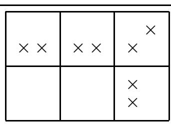
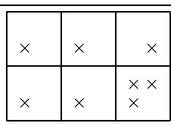
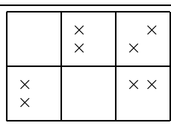
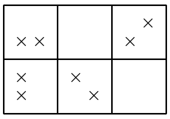
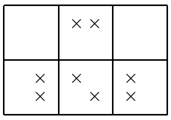
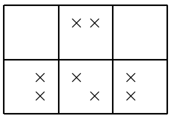
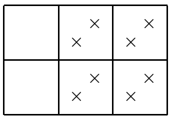
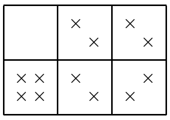
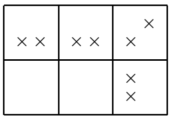
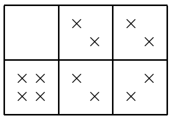
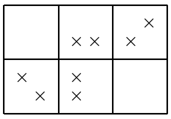
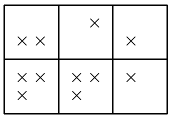
$\mathfrak{M}_{556}(4_1, 0_2, 0_2 : 1)$	O_2	O_4	$\{0, 19\}$
$\mathfrak{M}_{556}(4_1, 0_2, 0_2 : 2)$	O_2	O_4	$\{9, 19\}$
$\mathfrak{M}_{558}(4_1, 6, 6 : 1)$	O_6		e_1
$\mathfrak{M}_{558}(4_1, 6, 6 : 2)$	O_2		e_2
$\mathfrak{M}_{558}(4_1, 2, 2 : 1)$		O_5	e_1
$\mathfrak{M}_{558}(4_1, 2, 2 : 2)$	O_3		e_2
$\mathfrak{M}_{558}(2, 6, 2 : 1)$	O_2		e_2

$\mathfrak{M}_{558}(2,6,2:2)$	O_6		e_1
$\mathfrak{M}_{567}(2,4_2,0:1)$		$\{12,16\}$	d_1
$\mathfrak{M}_{567}(2,4_2,0:2)$		$\{12,21\}$	d_1
$\mathfrak{M}_{568}(0_2,2,1_2:1)$	O_4	$\{3,4\}$	e_2
$\mathfrak{M}_{568}(0_2,2,1_2:2)$	O_5	$\{13,19\}$	e_1
$\mathfrak{M}_{568}(0_2,4_2,0:1)$	O_3	$\{3,0\}$	e_1
$\mathfrak{M}_{568}(0_2,4_2,0:2)$	O_2	$\{1,19\}$	e_1
$\mathfrak{M}_{568}(0_2,4_2,2:1)$	O_3	$\{8,20\}$	e_1
$\mathfrak{M}_{568}(0_2,4_2,2:2)$	O_2	$\{9,22\}$	e_1
$\mathfrak{M}_{568}(1,6,0:1)$	O_2	$\{1,17\}$	e_2
$\mathfrak{M}_{568}(1,6,0:2)$	O_2	$\{0,17\}$	e_2
$\mathfrak{M}_{577}(2,2,8_1:1)$			d_1
$\mathfrak{M}_{577}(2,2,8_1:2)$		d_1	
$\mathfrak{M}_{588}(2,6,3:1)$		e_3	e_2
$\mathfrak{M}_{588}(2,6,3:2)$	O_6	e_1	
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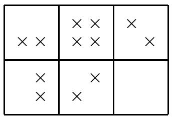
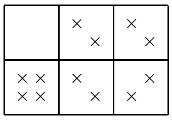
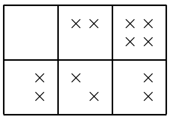
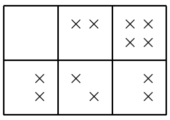
$\mathfrak{M}_{667}(0_1,0,0:1)$	$\{4,13\}$	$\{19,16\}$	d_1
$\mathfrak{M}_{667}(0_1,0,0:2)$	$\{4,13\}$	$\{2,7\}$	d_1
$\mathfrak{M}_{667}(0_1,0,2_2:1)$	$\{4,13\}$	$\{17,22\}$	d_1
$\mathfrak{M}_{667}(0_1,0,2_2:2)$	$\{17,11\}$	$\{10,16\}$	d_1

$\mathfrak{M}_{668}(1,0,0:1)$	$\{11,19\}$	$\{1,19\}$	e_1
$\mathfrak{M}_{668}(1,0,0:2)$	$\{11,17\}$	$\{0,17\}$	e_2
$\mathfrak{M}_{668}(1,2,2:1)$	$\{17,22\}$	$\{9,22\}$	e_1
$\mathfrak{M}_{668}(1,2,2:2)$	$\{19,22\}$	$\{8,22\}$	e_2
$\mathfrak{M}_{668}(0_2,0,2:1)$	$\{11,17\}$	$\{8,4\}$	e_2
$\mathfrak{M}_{668}(0_2,0,2:2)$	$\{11,17\}$	$\{13,4\}$	e_2
$\mathfrak{M}_{677}(0,0,8_1:1)$	$\{19,21\}$	d_1	
$\mathfrak{M}_{677}(0,0,8_1:2)$	$\{19,1\}$	d_1	
$\mathfrak{M}_{677}(2_2,0,4:1)$	$\{5,22\}$	d_1	d_3
$\mathfrak{M}_{677}(2_2,0,4:2)$	$\{9,22\}$	d_1	d_3
$\mathfrak{M}_{678}(0,1_2,6_1:1)$	$\{0,7\}$		e_2
$\mathfrak{M}_{678}(0,1_2,6_1:2)$	$\{0,8\}$		e_2
$\mathfrak{M}_{678}(0,0,8:1)$	$\{13,19\}$	d_1	e_3
$\mathfrak{M}_{678}(0,0,8:2)$	$\{13,4\}$	d_1	e_3
$\mathfrak{M}_{678}(0,2,4:1)$	$\{13,4\}$	d_1	e_3
$\mathfrak{M}_{678}(0,2,4:2)$	$\{13,19\}$	d_1	e_2
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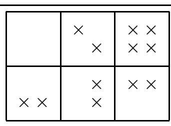
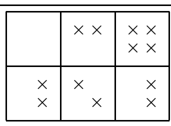
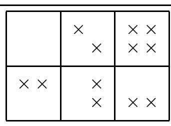
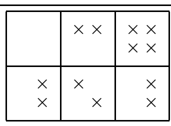
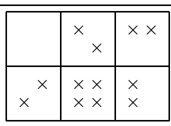
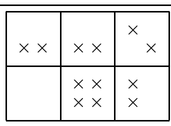
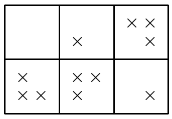
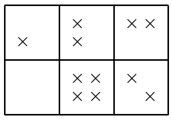
$\mathfrak{M}_{778}(8_1,6_1,6_1:1)$			e_2
$\mathfrak{M}_{778}(8_1,6_1,6_1:2)$			e_2
$\mathfrak{M}_{778}(4,4,8:1)$	d_1		e_2
$\mathfrak{M}_{778}(4,4,8:2)$		d_1	e_2
* * * * * * * * * **	* * * * * * * * * **	* * * * * * * * * **	* * * * * * * * * **

$\mathfrak{M}_{888}(3, 7_1, 3 : 1)$	e_2	e_3	
$\mathfrak{M}_{888}(3, 7_1, 3 : 2)$	e_2	e_3	

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